

CAREFULLY READ THIS COLLECTION OF INFORMATION AND LICENSE AGREEMENTS. BY CLICKING THE "ACCEPT" OR "AGREE" BUTTON, OR OTHERWISE ACCESSING, DOWNLOADING, INSTALLING OR USING THE SOFTWARE, YOU AGREE ON BEHALF OF LICENSEE TO BE BOUND BY THIS INFORMATION AND LICENSE AGREEMENTS (TO THE EXTENT APPLICABLE TO THE SPECIFIC SOFTWARE YOU OBTAIN AND THE SPECIFIC MANNER IN WHICH YOU USE SUCH SOFTWARE).

IF LICENSEE DOES NOT AGREE TO ALL OF THE INFORMATION AND LICENSE AGREEMENTS BELOW, DO NOT CLICK THE "ACCEPT" OR "AGREE" BUTTON OR ACCESS, DOWNLOAD, INSTALL OR USE THE SOFTWARE; AND IF LICENSEE HAS ALREADY OBTAINED THE SOFTWARE FROM AN AUTHORIZED SOURCE, PROMPTLY RETURN IT FOR A REFUND.

Part One: Overview.

The following information applies to certain items of third-party technology that are included along with certain Xilinx software tools.

Licensee's use of the GNU compilers (including associated libraries and utilities) may cause Licensee's software application (or board-support package) to be governed by certain third-party "open source" license agreements, as further described below. Licensee can avoid this result by using alternative compilers, libraries, and utilities of its own choosing in lieu of the GNU compilers (and associated libraries and utilities).

Note: Licensee is solely responsible for checking the header files and other accompanying source files of all software applications created from the use of the GNU compilers (and associated libraries and utilities) because such header and/or source files may contain or describe various copyright notices and license terms and conditions governing such files, which vary from case to case based on Licensee's usage and are beyond the control of Xilinx. This summary and the license information provided below is for reference purposes and is not intended to be a comprehensive list of all copyright notices or third-party license terms and conditions applicable to Xilinx software tools. Licensee is solely responsible for complying with the terms and conditions imposed by third parties as applicable to the Licensee's software applications created from the use of the GNU compilers (and associated libraries and utilities).

The remainder of this document is organized into various parts, as follows:

Part Two: Licensee Redistributable Content.

Index:

Licenses and Notices:

Part Two contains a list of notices, licenses and/or other information related to certain items of third-party technology that Xilinx has identified and categorized as "Licensee Redistributable Content", which means that Xilinx has included this third-party technology with the Xilinx Software for the purpose of enabling a Xilinx customer to distribute it (or a portion of it, or a derivative form of it) as part of such customer's design or product.

Part Three: Other Third-Party Content.

Index:

Licenses and Notices:

Part Three contains a list of additional notices, licenses and/or other information related to certain items of third-party technology other than as provided in Part Two. Please note that by listing certain items in this Part Three as opposed to Part Two above, Xilinx does not abrogate or diminish in any respect either its own obligations, or Licensee's rights (if and as may be applicable), with respect to the (present or future) distribution of such items. With respect to any license that requires Xilinx to make available to recipients of object code distributed by Xilinx pursuant to such license the corresponding source code, and if you desire to receive such source code from Xilinx, please refer to the Xilinx website at <https://www.xilinx.com/products/design-tools/guest-resources.html>. If you cannot access the internet to obtain a copy thereof, then Xilinx hereby offers (which offer is valid for as long as required by the applicable license; and we may charge you the cost thereof unless prohibited by the license) to provide you with a copy of such source code; and to accept such offer send a letter requesting such source code (please be specific by identifying the particular Xilinx Software you are inquiring about (name and version number), to: Xilinx, Inc., Legal Department, Attention: Software Compliance Officer, 2100 Logic Drive, San Jose, CA U.S.A. 95124.

Part Four: Certain Third-Party Template Licenses.

Index:

Text of Template Licenses:

Part Two: Licensee Redistributable Content.

Index:

gcc version 4.9.3
gcc version 6.2.0
Synopsys ASIP Programmer files version R-2021.03-TGT-211109

Licenses and Notices:

```
gcc version 4.9.3
<<<<<<<xilinx-separator>>>>>>>
```

Copyright (C) 2006 Free Software Foundation
This file is part of GNU Classpath. GNU Classpath is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2, or (at your option) any later version. GNU Classpath is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with GNU Classpath; see the file COPYING. If not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA. Linking this library statically or dynamically with other modules is making a combined work based on this library. Thus, the terms and conditions of the GNU General Public License cover the whole combination. As a special exception, the copyright holders of this library give you permission to link this library with independent modules to produce an executable, regardless of the license terms of these independent modules, and to copy and distribute the resulting executable under terms of your choice, provided that you also meet, for each linked independent module, the terms and conditions of the license of that module. An independent module is a module which is not derived from or based on this library. If you modify this library, you may extend this exception to your version of the library, but you are not obligated to do so. If you do not wish to do so, delete this exception statement from your version. /

The text of the GNU General Public License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s).

Copyright (C) 2000-2014 Free Software Foundation, Inc. This file is part of GCC. GCC is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 3, or (at your option) any later version. GCC is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. Under Section 7 of GPL version 3, you are granted additional permissions described in the GCC Runtime Library Exception, version 3.1, as published by the Free Software Foundation. You should have received a copy of the GNU General Public License and a copy of the GCC Runtime Library Exception along with this program; see the files COPYING3 and COPYING.RUNTIME respectively. If not, see <<http://www.gnu.org/licenses/>>. /

The text of the GNU General Public License, Version 3, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s).

The text of the GCC RUNTIME LIBRARY EXCEPTION Version 3.1 (31 March 2009), a copy of which is made available below in Part Four of this document, was originally presented here.

Copyright (C) 1999-2014 Free Software Foundation, Inc. This file is part of GCC. GCC is free software; you can redistribute it and/or modify it under the terms of the GNU library General Public License as published by the Free Software Foundation; either version 3 of the License, or (at your option) any later version. GCC is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU library General Public License for more details. You should have received a copy of the GNU library General Public License along with GCC; see the file COPYING3. If not see <<http://www.gnu.org/licenses/>>. /

The text of the GNU Lesser General Public License, Version 3, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

Copyright 1989, 1991, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2010 Free Software Foundation, Inc. Written by James Clark (jvc@jclark.uucp) Rewritten by Fred Fish (fnf@cygnus.com) for ARM and Lucid demangling Modified by Satish Pai (pai@apollo.hp.com) for HP demangling This file is part of the libiberty library. Libiberty is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version. In addition to the permissions in the GNU Library General Public License, the Free Software Foundation gives you unlimited permission to link the compiled version

of this file into combinations with other programs, and to distribute those combinations without any restriction coming from the use of this file. (The Library Public License restrictions do apply in other respects; for example, they cover modification of the file, and distribution when not linked into a combined executable.) Libiberty is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details. You should have received a copy of the GNU Library General Public License along with libiberty; see the file COPYING.LIB. If not, write to the Free Software Foundation, Inc., 51 Franklin Street - Fifth Floor, Boston, MA 02110-1301, USA. /

The text of the GNU Library General Public License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

Copyright (C)

1997, 2002, 2005 Free Software Foundation, Inc. This file is part of the libiberty library. Contributed by Jean-François Bignolles <bignolle@ecoledoc.ibp.fr>, 1997. Libiberty is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version. Libiberty is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details. You should have received a copy of the GNU Lesser General Public License along with the GNU C Library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA. /

The text of the GNU Lesser General Public License, Version 2.1 (February 1999), a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s)..

#####

Copyright (c) 2001, Thai Open Source Software Center Ltd All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. Neither the name of the Thai Open Source Software Center Ltd nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

Copyright (c)

2000-2005 INRIA, France Telecom All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. Neither the name of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

Copyright (c) 2004, Eugene Kuleshov All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. Neither the name of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

Copyright (c) 1983, 1992, 1993 The Regents of the University of California. All rights reserved. Copyright (C) 2007-2014 Free Software Foundation, Inc.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 4. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES

(INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

Copyright (C)

2013 Free Software Foundation, Inc. Written by Jakub Jelinek, Red Hat, Inc.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: (1)

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. (2) Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. (3) The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

Copyright (C) 2009-2013, Intel Corporation All

rights reserved. @copyright Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. Neither the name of Intel

Corporation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

@copyright THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

Copyright (C) 2012-2014

Free Software Foundation, Inc. Written by Ian Lance Taylor, Google.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: (1)

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. (2) Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. (3) The name of the author may not be used to endorse or promote products derived from this software without specific prior written

permission. THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

The author of this software is David M. Gay. Copyright (c) 1991, 2006 by AT&T. Permission to use, copy, modify, and distribute this software for any purpose without fee is hereby granted, provided that this entire notice is included in all copies of any software which is or includes a copy or modification of this software and in all copies of the supporting documentation for such software. THIS SOFTWARE IS BEING PROVIDED "AS IS", WITHOUT ANY EXPRESS OR IMPLIED WARRANTY. IN PARTICULAR, NEITHER THE AUTHOR NOR AT&T MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND CONCERNING THE MERCHANTABILITY OF THIS SOFTWARE OR ITS FITNESS FOR ANY PARTICULAR PURPOSE. / Please send bug reports to David M. Gay AT&T Bell Laboratories, Room 2C-463 600 Mountain Avenue Murray Hill, NJ 07974-2070 U.S.A. dmg@research.att.com or research!dmg /

Copyright (c) 1997 Christian Michelsen Research AS Advanced Computing Fantoftvegen 38, 5036 BERGEN, Norway <http://www.cmr.no> Permission to use, copy, modify, distribute and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation. Christian Michelsen Research AS makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty. /

Copyright (C) 2003-2014 Free Software Foundation, Inc. This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 3, or (at your option) any later version. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this program; see the file COPYING3. If not see <http://www.gnu.org/licenses/>. Copyright (C) 1991-2005 Unicode, Inc. All rights reserved. Distributed under the Terms of Use in <http://www.unicode.org/copyright.html>. Permission is hereby granted, free of charge, to any person obtaining a copy of the Unicode data files and any associated documentation (the "Data Files") or Unicode software and any associated documentation (the "Software") to deal in the Data Files or Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Data Files or Software, and to permit persons to whom the Data Files or Software are furnished to do so, provided that (a) the above copyright notice(s) and this permission notice appear with all copies of the Data Files or Software, (b) both the above copyright notice(s) and this permission notice appear in associated documentation, and (c) there is clear notice in each modified Data File or in the Software as well as in the documentation associated with the Data File(s) or Software that the data or software has been modified. THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A

PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE DATA FILES OR SOFTWARE. Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in these Data Files or Software without prior written authorization of the copyright holder. /

Copyright (c) 1996-1997 Silicon Graphics Computer Systems, Inc. Permission to use, copy, modify, distribute and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation. Silicon Graphics makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty. Copyright (c) 2002 Hewlett-Packard Company Permission to use, copy, modify, distribute and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation. Hewlett-Packard Company makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty. /

Copyright (c) 1994 Hewlett-Packard Company Permission to use, copy, modify, distribute and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation. Hewlett-Packard Company makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

Copyright (c) 1996-1998 Silicon Graphics Computer Systems, Inc.
Permission to use, copy, modify, distribute and sell this
software and its documentation for any purpose is hereby granted without fee,
provided that the above copyright notice appear in all copies and that both that
copyright notice and this permission notice appear in supporting documentation.
Silicon Graphics makes no representations about the suitability of this software
for any purpose. It is provided "as is" without express or implied warranty. /

Copyright (C) 2004 Ami Tavory and Vladimir Dreizin, IBM-HRL.
Permission to use, copy, modify, sell, and
distribute this software is hereby granted without fee, provided that the above
copyright notice appears in all copies, and that both that copyright notice and
this permission notice appear in supporting documentation. None of the above
authors, nor IBM Haifa Research Laboratories, make any representation about the
suitability of this software for any purpose. It is provided "as is" without
express or implied warranty.

```
gcc version 6.2.0
<<<<<<<xilinx-separator>>>>>>>
```

Each of the following copyright holders have copyrighted one or more files in the above-referenced software:

Copyright (C) 1984-2016 Free Software Foundation, Inc.

Copyright (C) 2006, 2008 Junio C Hamano
Copyright (C) 1994-2004 by Hewlett-Packard Company
Copyright (C) 1991-1994 by Xerox Corporation
Copyright (C) 1996, 1998 by Silicon Graphics
Copyright (C) 2001-2015, AdaCore
Copyright (C) 1999 Citrus Project
Copyright (C) 2009-2015 Intel Corporation
Copyright (C) 1991-2005 Unicode, Inc.
Copyright (C) 2011 Plausible Labs Cooperative, Inc.
Copyright (C) 1996-2008 Red Hat, Inc.
Copyright (C) 2009 Bradley Smith
Copyright (C) 2012 Alexandre K. I. de Mendonca
Copyright (C) 2011 Anthony Green
Copyright (C) 2003-2004 Randolph Chung
Copyright (C) 1998 Geoffrey Keating
Copyright (C) 2012 Tlera Corp.
Copyright (C) 2002, 2007 Bo Thorsen
Copyright (C) 2013 Synopsys, Inc.
Copyright (C) 2013 Miodrag Vallat
Copyright (C) 2013 Imagination Technologies
Copyright (C) 2012, 2013 Xilinx, Inc
Copyright (C) 2013 Mentor Graphics
Copyright (C) 2014 Sebastian Macke
Copyright (C) 2013 Tensilica, Inc.
Copyright (C) 1987, 1990, 1991, 2014 The Regents of the University of California
Copyright (C) 2009 The Go Authors
Copyright (C) 2003 World Wide Web Consortium, (Massachusetts Institute of Technology, Institut National de Recherche en Informatique et en Automatique, Keio University)
Copyright (C) 2004 by Sun Microsystems, Inc.
Copyright (C) 1991, 2000 by AT&T
Copyright (C) 2000-2005 INRIA, France Telecom
Copyright (C) 2004, Eugene Kuleshov
Copyright (C) 2006 - Javolution
Copyright (C) 1984, 1991, 2001 Stephen L. Moshier
Copyright (C) Jeremy Siek 2000
Copyright (C) 2002 Peter Dimov
Copyright (C) 2004 Ami Tavory and Vladimir Dreizin
Copyright (C) 2009-12-23 Paolo Carlini
Copyright (C) 1995-2012 Jean-loup Gailly
Copyright (C) 1995-2012 Mark Adler
Copyright (C) 1998 by Andreas R. Kleinert
Copyright (C) 2003 Chris Anderson
Copyright (C) 1997 Christian Michelsen Research AS Advanced Computing
Copyright (C) 1998-2005 Gilles Vollant
Copyright (C) 2009-2010 Mathias Svensson
Copyright (C) Even Rouault
Copyright (C) 2001, Thai Open Source Software Center Ltd
Copyright (C) 1997, 1998 by Microstar Software Ltd.
Copyright (C) 1998 Axel Schreiner
Copyright (C) 2004 Renesas Technology
Copyright (C) 1984 Professor W.M. Kahan

#####

Certain files:

[Public]

The text of the GNU General Public License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s)

#####

Certain files:

The text of the GNU General Public License, Version 3, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s).

#####

Certain files:

The text of the GNU GCC Runtime Library Exception, version 3.1, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s).

#####

Certain files:

The text of the GNU Lesser General Public License, Version 2.1, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s).

#####

The following applies to certain parts of this program: Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL CYGNUS SOLUTIONS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

#####

The following applies to certain parts of this program: GNU Classpath is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2, or (at your option) any later version.

GNU Classpath is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU

General Public License for more details.

You should have received a copy of the GNU General Public License along with GNU Classpath; see the file COPYING. If not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Linking this library statically or dynamically with other modules is making a combined work based on this library. Thus, the terms and conditions of the GNU General Public License cover the whole combination.

As a special exception, the copyright holders of this library give you permission to link this library with independent modules to produce an executable, regardless of the license terms of these independent modules, and to copy and distribute the resulting executable under terms of your choice, provided that you also meet, for each linked independent module, the terms and conditions of the license of that module. An independent module is a module which is not derived from or based on this library. If you modify this library, you may extend this exception to your version of the library, but you are not obligated to do so. If you do not wish to do so, delete this exception statement from your version.

#####

The following applies to certain parts of this program: As a special exception to the GNU General Public License, if you distribute this file as part of a program that contains a configuration script generated by Autoconf, you may include it under the same distribution terms that you use for the rest of that program.

#####

The following applies to certain parts of this program: Permission to use, copy, modify, and distribute this software is freely granted, provided that this notice is preserved.

#####

The following applies to certain parts of this program: Use of this source code is governed by a BSD-style license that can be found in the LICENSE file.

#####

The following applies to certain parts of this program: You are free to modify AElfred for your own use and to redistribute AElfred with your modifications, provided that the modifications are clearly documented. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of merchantability or fitness for a particular purpose. Please use it AT YOUR OWN RISK.

#####

The following applies to certain parts of this program: International Business Machines, Inc. (hereinafter called IBM) grants permission under its copyrights to use, copy, modify, and distribute this Software with or without fee, provided

that the above copyright notice and all paragraphs of this notice appear in all copies, and that the name of IBM not be used in connection with the marketing of any product incorporating the Software or modifications thereof, without specific, written prior permission. To the extent it has a right to do so, IBM grants an immunity from suit under its patents, if any, for the use, sale or manufacture of products to the extent that such products are used for performing Domain Name System dynamic updates in TCP/IP networks by means of the Software. No immunity is granted for any product per se or for any other function of any product. THE SOFTWARE IS PROVIDED "AS IS", AND IBM DISCLAIMS ALL WARRANTIES, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL IBM BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE, EVEN IF IBM IS APPRISED OF THE POSSIBILITY OF SUCH DAMAGES.

#####

The following applies to certain parts of this program: This work is distributed under the W3C(r) Software License [1] in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. By obtaining, using and/or copying this work, you (the licensee) agree that you have read, understood, and will comply with the following terms and conditions.

Permission to copy, modify, and distribute this software and its documentation, with or without modification, for any purpose and without fee or royalty is hereby granted, provided that you include the following on ALL copies of the software and documentation or portions thereof, including modifications:

The full text of this NOTICE in a location viewable to users of the redistributed or derivative work.

Any pre-existing intellectual property disclaimers, notices, or terms and conditions. If none exist, the W3C Software Short Notice should be included (hypertext is preferred, text is permitted) within the body of any redistributed or derivative code.

Notice of any changes or modifications to the files, including the date changes were made. (We recommend you provide URIs to the location from which the code is derived.)

THIS SOFTWARE AND DOCUMENTATION IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS MAKE NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE OR DOCUMENTATION WILL NOT INFRINGE ANY THIRD PARTY PATENTS, COPYRIGHTS, TRADEMARKS OR OTHER RIGHTS.

COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE SOFTWARE OR DOCUMENTATION.

The name and trademarks of copyright holders may NOT be used in advertising or publicity pertaining to the software without specific, written prior permission. Title to copyright in this software and any associated documentation will at all times remain with copyright holders.

This version: <http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231>

This formulation of W3C's notice and license became active on December 31 2002. This version removes the copyright ownership notice such that this license can be used with materials other than those owned by the W3C, reflects that ERCIM is now a host of the W3C, includes references to this specific dated version of the license, and removes the ambiguous grant of "use". Otherwise, this version is the same as the previous version and is written so as to preserve the Free Software Foundation's assessment of GPL compatibility and OSI's certification under the Open Source Definition

#####

The following applies to certain parts of this program: Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the

following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. Neither the name of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

#####

The following applies to certain parts of this program: For conditions of distribution and use, see copyright notice in zlib.h

#####

The following applies to certain parts of this program: Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions: 1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required. 2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software. 3. This notice may not be removed or altered from any source distribution.

#####

The following applies to certain parts of this program: Permission to use, copy, modify, distribute and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation. The following applies to certain parts of this program: This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

#####

The following applies to certain parts of this program: the Boost Software License, Version 1.0. (See Part Four, below).

#####

The following applies to certain parts of this program: Distributed under the Terms of Use in <http://www.unicode.org/copyright.html>. Permission is hereby granted, free of charge, to any person obtaining a copy of the Unicode data files and any associated documentation (the "Data Files") or Unicode software and any associated documentation (the "Software") to deal in the Data Files or Software without restriction, including without limitation the rights to use,

copy, modify, merge, publish, distribute, and/or sell copies of the Data Files or Software, and to permit persons to whom the Data Files or Software are furnished to do so, provided that (a) the above copyright notice(s) and this permission notice appear with all copies of the Data Files or Software, (b) both the above copyright notice(s) and this permission notice appear in associated documentation, and (c) there is clear notice in each modified Data File or in the Software as well as in the documentation associated with the Data File(s) or Software that the data or software has been modified. THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE DATA FILES OR SOFTWARE. Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in these Data Files or Software without prior written authorization of the copyright holder.

#####

The following applies to certain parts of this program:

You can redistribute it

and/or modify it under terms of the GNU General Public License as published by the Free Software Foundation; either version 3, or (at your option) any later version. It is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. As a special exception under Section 7 of GPL version 3, you are granted additional permissions described in the GCC Runtime Library Exception, version 3.1, as published by the Free Software Foundation. You should have received a copy of the GNU General Public License and a copy of the GCC Runtime Library Exception along with this program; see the files COPYING3 and COPYING.RUNTIME respectively. If not, see <<http://www.gnu.org/licenses/>>.

#####

The following applies to certain parts of this program:

The following text was originally presented here, and as applicable applies to the above-listed file(s):

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. Neither the name of "The Computer Language Benchmarks Game" nor the name of "The Computer Language Shootout Benchmarks" nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY

OF SUCH DAMAGE.

Synopsys ASIP Programmer files version R-2021.03-TGT-211109

<<<<<<<<xilinx-separator>>>>>>>>

The Synopsys ASIP Programmer and ASIP files are subject to the following End-User Software License and Maintenance Agreement, by accepting these terms and using such ASIP Programmer and ASIP files, (1) you agree to be bound by these terms, and (2) you acknowledge that Synopsys has no obligation to provide support to you in connection with your use of such ASIP Programmer and ASIP files.

END-USER SOFTWARE LICENSE AND MAINTENANCE AGREEMENT

TERMS AND CONDITIONS

This agreement covers the products and services you license (or purchase) from Synopsys, unless and until we enter into a new agreement that expressly replaces this one. If you use the Synopsys products and services as an employee of or for the benefit of your company, you represent that you have the power and authority to accept this agreement on behalf of your company. Your company will be the licensee under this agreement. By clicking on the “Accept” button of this agreement, or by downloading, installing or using the Synopsys products or services, you consent to the terms and conditions of this agreement on behalf of yourself and the company on whose behalf you will use the Synopsys products and services provided under this agreement. The effective date of this agreement is the date that you first download, install or use the Synopsys products or services. If you do not agree to the terms and conditions of this agreement or if you do not have the power and authority to accept the terms and conditions of this agreement on behalf of your company, you may not use the Synopsys products and services and Synopsys is unwilling to provide you with them.

Products and Services

1.1. The Synopsys products and services that you may license or purchase under this agreement are identified in the Purchasing Agreements that you and Synopsys enter into from time to time under this agreement. These products and services may include (but are not limited to):

- (a) DesignWare, which means any software products (including Implementation IP and Verification IP), other than DesignWare Fee-Per-Use Cores, marketed by Synopsys under the brand name “DesignWare”.
- (b) Licensed Software, which means a Synopsys software product other than DesignWare and DesignWare Fee-Per-Use Cores.
- (c) Maintenance Services, which means the software maintenance and support services described in section 5.
- (d) Training Services, which means education in the use of Synopsys software products through standard curriculum educational services courses.

1.2. The term “Licensed Products” means Licensed Software and DesignWare.

1.3. Additional terms and conditions (beyond those stated here and in any attached supplements) may apply to certain Licensed Products. When ordering these Licensed Products, you will be given an opportunity to review the additional terms and conditions that must be accepted for you to receive the Licensed Products. If the additional terms and conditions conflict in any way with the terms and conditions stated here, the additional terms and conditions will prevail.

Licenses

1.4. Your License Rights: When you purchase a license (other than an evaluation license) to a Licensed Product, upon its delivery you will have a nonexclusive right to:

- (a) install the Licensed Product on one or more computers;
- (b) install the License Key for the Licensed Product on the computer specifically identified in the License Key;
- (c) allow your End Users to use the Licensed Product and Design Techniques, during the License Term, solely for the purpose of creating, modifying, and simulating your own Designs (in the case of DesignWare, this includes validating, testing, and simulating Designs, electronic circuits and devices);
- (d) in the case of DesignWare, share Design Databases with a Licensed Design Partner only to allow the Licensed Design Partner to work cooperatively on your Design to the extent permitted by its own DesignWare license (but not sublicense or assign any of your rights in the DesignWare to such Licensed Design Partner);
- (e) in the case of ARC Software Development Products, use this Licensed Product, during the License Term, solely for the purpose of creating, debugging, and profiling executable software source code for execution on a System-on-Chip with an embedded ARC microprocessor or on a model of such System-on-Chip;
- (f) in the case of ARC MQX Products, until you discontinue the sale and distribution of the applicable ARC MQX Licensee Products, use the ARC MQX Products to (i) customize the Board Support Package Features in the ARC MQX Product solely as necessary for use with your ARC MQX Licensee Product; (ii) create and support an ARC MQX Licensee Executable; (iii) if you have purchased a license to the

“closed system license” version of an ARC MQX Product, then you may distribute, solely in or with an ARC MQX Licensee Product, an ARC MQX Licensee Executable that does not expose, directly or indirectly, any APIs of the ARC MQX Product; and (iv) if you have purchased a license to the “binary” version of an ARC MQX Product, then you may additionally distribute to ARC MQX End Customers only that portion of the Documentation necessary for ARC MQX End Customers to access the APIs, provided that such ARC MQX End Customers are obligated not to expose any of the APIs to their customers or any other third parties.

(g) make a reasonable number of copies of the Licensed Product solely for backup or archival purposes; and

(h) make a reasonable number of copies of the Documentation for the Licensed Product, and use the Documentation solely to support your use of the Licensed Product.

1.5. Implementation IP License: In addition, when you are granted a license to any Implementation IP, you will have a nonexclusive right to:

(a) integrate the Implementation IP into your Designs to create one or more Integrated Designs;

(b) make, use, and sell physical implementations (commonly referred to as semiconductor chips) of one or more of the Integrated Designs;

(c) distribute the Implementation IP in netlist or GDSII format as part of any of your Integrated Designs to any third party that provides foundry services to you, solely for the purpose of having that foundry make physical implementations of one or more of entire Integrated Designs of yours, as long as the third-party foundry is subject to confidentiality obligations regarding the Implementation IP that are no less restrictive than the confidentiality obligations in this agreement; and

(d) if you purchased from Synopsys the right to use certain Implementation IP in source code format, you may modify that Implementation IP in support of your development of Integrated Designs.

1.6. Node-Locked License. If you have obtained the Licensed Product under a node-locked license, then a “node” refers to a specific machine and the License Product may be installed only on the number of nodes indicated on the applicable Synopsys Purchasing Agreement, must be used only on the node(s) on which it is installed, and may be accessed only by users who are physically present at that node. Further, a node-locked license may only be used by one (1) user at a time running one (1) instance of the Licensed Product at a time.

1.7. Evaluation Licenses: If you obtain an evaluation license for a Licensed Product, you will have the same license rights as described above except that you may use the Licensed Product only for the purpose of evaluating it and deciding whether to purchase a license to use it for production purposes. You shall not use the Licensed Product to design any integrated circuits for production or pre-production purposes or any other commercial use including, but not limited to, for the benefit of your customers. If you breach the forgoing restrictions, then you shall pay to Synopsys a license fee equal to Synopsys’s perpetual list price plus maintenance for the commercial version of the Licensed Product. You agree that damages for such a breach would be difficult to assess, and such payment represents a reasonable assessment of the potential damage to Synopsys. You recognized and agree that this amount is a reasonable, liquidated amount and not a penalty. Also, evaluation copies of Licensed Products are provided “AS IS”. Therefore the warranty and indemnification provisions in this agreement do not apply to evaluation licenses.

1.8. End Users: You may designate any of your employees whose primary work location is in the designated Use Area as End Users.

1.9. Use Area; Telecommuting Employees; Use Over a WAN: You must ensure that your End Users use the Licensed Product only when they are in the designated Use Area, except that any End User who is your employee, whose primary work location is in the designated Use Area, and whose primary residence is within 50 miles of the designated Use Area, may access the Licensed Product from his primary residence through a secure network that requires a secure ID card or other more protective security safeguards. If you have purchased the right to use a Licensed Product over your wide area network (commonly referred to as a “WAN”), then unless the Purchasing Agreement states otherwise, the Licensed Product may be used by your End Users who are located at any of your facilities worldwide (if you purchased the right to use over a global WAN) or at any of your facilities on the same continent on which your Key Server is located (if you purchased the right to use over a continental WAN). This section 2.6 does not apply to Licensed Products obtained under a node-locked license as referenced in section 2.3.

1.10. Key Servers; Hardware Relocation: You may not permanently relocate a Key Server outside of the designated Use Area without obtaining written approval from Synopsys. If a Key Server becomes inoperative due to malfunction, repair, or maintenance, you may request Synopsys’s permission to set up and temporarily use a single back-up Key Server on another computer in the same Use Area until the original Key Server returns to service.

1.11. Conditions: Your right to use the Licensed Product is conditioned upon your timely payment of the full amount of Fees due for the Licensed Product and your compliance with the terms and conditions of this agreement. When the License Term expires, your license rights also expire and you may no longer use the Licensed Product.

1.12. Restrictions: You may not (and may not allow anyone else to):

(a) copy or use any Licensed Product (or Documentation) in any manner that is not expressly allowed by the license rights stated above;

(b) decompile, reverse engineer, or otherwise attempt to derive the source code for any Licensed Product or any underlying algorithms, user interface techniques, or other ideas embodied in a Licensed Product;

(c) tamper with, or attempt to circumvent or disable, any License Key (this includes, for example, resetting the CPU time in order to extend the License Term, or using a false host ID number or additional virtualized copy(ies) of the host ID number to enable unauthorized copies of a License Key);

- (d) distribute any copy of a Licensed Product (or Documentation) except as expressly allowed by the license rights stated above, or allow anyone other than your End Users to have access to or use (such as in a timesharing, service bureau, or application service provider model) any Licensed Product;
- (e) use a Licensed Product (except ARC MQX Products) or its output to create, modify, or simulate Designs for third parties;
- (f) use a Licensed Product or its output to develop or enhance any product that competes with a Synopsys product;
- (g) modify or create a derivative work of any part of a Licensed Product or Documentation;
- (h) disclose the results of any benchmarking of a Licensed Product (whether or not the results were obtained with assistance from Synopsys) to any third party; or
- (i) use a Licensed Product in the development of any product if the failure or malfunction of that product could reasonably be expected to result in personal injury, death, or catastrophic loss.

If the License Key limits the number of End Users who may use a Licensed Product simultaneously or the number of simultaneous Clients, you must ensure that this limit is not exceeded, by platform virtualization or any other means.

1.13. Copies: If you make backup or archival copies of a Licensed Product or Documentation, you must reproduce all copyright, trademark, and other notices that appear on the original copy.

1.14. Transfers and Assignments: You may not transfer or assign your license rights to any other person in any manner (by assignment, operation of law or otherwise) unless you have obtained written consent from Synopsys. If you attempt to transfer or assign any of your license rights without Synopsys's consent, the transfer or assignment will be ineffective, null, and void (and you will be in material breach of this agreement). For purposes of this section 2.11, a transfer or assignment of your license rights will be deemed to have occurred (a) if a third party (or group of third parties acting in concert) acquires beneficial ownership of fifty percent (50%) or more of either (i) your or a Parent Entity's assets or (ii) the stock or other equity interests entitled to vote for your or a Parent Entity's directors or equivalent managing authority, or (b) in the event of a merger, consolidation or other business combination between you or a Parent Entity and one or more third parties where your or a Parent Entity's stockholders immediately before that transaction own (directly or indirectly), after that transaction, less than fifty percent (50%) of the stock or other equity interests entitled to vote for the directors or equivalent managing authority of the surviving entity.

1.15. Open Source Software: The Licensed Product may be delivered with software that is subject to open source licensing terms ("Open Source Software"), which terms are available upon request. Certain Open Source Software licenses require that source code be made available upon request. Licensee may request a copy of such source code by post to Synopsys at: Synopsys, Inc., Attention: Open Source Software Requests, 690 East Middlefield Road, Mountain View, California 94043, USA. Licensee agrees that all Open Source Software shall be and shall remain subject to the terms and conditions under which it is provided. The Open Source Software is provided "AS IS," WITHOUT ANY WARRANTY OF ANY KIND, AND SYNOPSYS FURTHER DISCLAIMS ALL OTHER WARRANTIES, EXPRESS, IMPLIED OR STATUTORY, WITH RESPECT TO OPEN SOURCE SOFTWARE, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF NONINFRINGEMENT, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. NEITHER SYNOPSYS NOR THE LICENSORS OF OPEN SOURCE SOFTWARE SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE OPEN SOURCE SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Copyrights to the Open Source Software are held by the copyright holders indicated in the copyright notices in the corresponding source files.

Order and Delivery

1.16. Ordering Synopsys Products: You may order the products and services identified in the Purchasing Agreements at any time by submitting an order to Synopsys through Synopsys's on-line ordering system or as otherwise directed by Synopsys. When using Synopsys's on-line ordering system, you shall be responsible for ensuring that all information you provide is accurate and complete and that any person placing an order on your behalf has your authority to do so. Once you submit an order, you may not cancel or change it. Your order must indicate which products and services you want to purchase (including, in the case of Licensed Products, the type of license, the quantity, the License Term or in the case of ARC MQX Products the applicable ARC MQX Licensee Product, the location(s) of your facility(ies) where the Licensed Products may be used (we may refer to this as the "Authorized Sites" in a Purchasing Agreement), and any other information Synopsys would need to fulfill your order (including any information needed to generate a License Key). Synopsys may, in its reasonable discretion, accept or reject your order. Synopsys may accept your order by sending you written or electronic notice of acceptance or simply by fulfilling your order.

1.17. Delivery: If Synopsys accepts your order for one or more Licensed Products, Synopsys will then deliver to you the Licensed Products along with the corresponding Documentation and License Keys. Synopsys will deliver these materials to you electronically except where prohibited by law.

1.18. Electronic Software Transfer: When Synopsys delivers a Licensed Product by electronic software transfer, Synopsys will send you an e-mail to your designated e-mail address(es) to notify you that the Licensed Product is available. Synopsys's obligation to deliver the Licensed Product will be fulfilled when this e-mail notice is sent. You will be responsible for downloading or requesting for delivery the Licensed Product and Documentation from the FTP Server and the License Key from Synopsys's website at www.synopsys.com, unless Synopsys gives you other instructions. You must notify Synopsys in writing if you change your designated e-mail address(es).

1.19. **Tangible Media:** When Synopsys delivers Licensed Products to you on tangible media, the media may contain other software programs in addition to the Licensed Products. If it does, you will not have a license to use (and the License Keys for the Licensed Products will not permit you to use) these other software programs, and you must not attempt to access, use, reproduce, modify, reverse engineer, or otherwise tamper with these other software programs. If you lose or damage the media, Synopsys will, at your request, provide a replacement at a nominal charge. All deliveries of tangible items by Synopsys, Inc. will be made F.O.B. Origin; all deliveries of tangible items by other Synopsys entities will be made Ex Works (EXW) Origin.

Fees and Payment

1.20. **Fees:** The Fees for the products and services you may purchase under this agreement will be identified in the Purchasing Agreements. You agree to pay the Fees according to the payment terms in the applicable Purchasing Agreement.

1.21. **Payments:** If the applicable Purchasing Agreement does not contain specific payment terms for the Fees in question, payment of those Fees will be due within 30 days after the date of Synopsys's invoice. If you do not pay an amount by the scheduled due date, Synopsys will have the right to withhold the delivery of License Keys and/or terminate this agreement or a Purchasing Agreement and accelerate the due date of all remaining payments. In this event, you will owe the entire outstanding balance as soon as you receive written notice from Synopsys that your payment is due. All payments you make to Synopsys are non-refundable. You may not offset any amounts you believe Synopsys owes you against any payments you make to Synopsys under this agreement. You must make payments in U.S. dollars. If you do not pay an amount by the due date, you must also pay a late payment charge of 1.5% per month or the highest rate permitted by law, whichever is less.

1.22. **Taxes:** You will be solely responsible for paying all taxes (including sales, use, consumption, withholding, and value-added taxes and similar taxes), other than Synopsys's income taxes, that are imposed on or result from your purchase, license, or use of Synopsys products and services. If Synopsys is required by law to collect and remit any such taxes, Synopsys may invoice you for such taxes and you agree to pay the invoiced amount to Synopsys. If you are required by the respective jurisdiction where the Licensed Products are used, or where services are provided, to withhold taxes from payments to Synopsys, you may withhold from the total amount due to the respective Synopsys distributing entity the minimum amount required (but no more). You may only withhold taxes related to a payment at the time of such payment. You must then promptly pay that amount to the appropriate tax authority and provide Synopsys with an official receipt for the payment within 60 days of your payment.

1.23. **Bankruptcy:** If you become the subject of any bankruptcy, dissolution, liquidation, or similar proceedings or make a general assignment for the benefit of your creditors, Synopsys may apply any payments you have previously made to Synopsys for products or services not yet delivered by Synopsys against any amounts you owe Synopsys at that time for products or services that have been delivered by Synopsys (under this agreement or otherwise).

Services

1.24. **Maintenance Services:** Maintenance Services consist of the following:

(a) **Support:** Synopsys will provide you with access to SolvNet and online Documentation, and will use commercially reasonable efforts to make available the Synopsys Support Center on Monday through Friday, during Synopsys's normal business hours, excluding Synopsys's scheduled holidays. A valid corporate email address is required to access SolvNet and online Documentation.

(b) **Updates:** Synopsys will use commercially reasonable efforts to provide Updates as they become generally available. Any other upgrades or enhancements to the Licensed Products are not made available by Synopsys as part of Maintenance Services and may be subject to additional charges.

1.25. **Updates to Terms:** Synopsys may update its Maintenance Services terms on 60 days prior written notice, provided that these updates are applied generally to its Maintenance Services customers.

1.26. **Conditions:** In order to receive Maintenance Services for a Licensed Product, all of the following conditions must be met:

(a) you must have purchased Maintenance Services for such Licensed Product (unless it is licensed under a TSL, in which case Maintenance Services are included);

(b) you must appoint a qualified contact person trained in the use of the Licensed Product to interface with Synopsys regarding Maintenance Services, and identify such person to Synopsys in advance;

(c) you must provide Synopsys with access to the information and system facilities reasonably necessary to provide the Maintenance Services;

(d) you must follow the directions provided by the Synopsys Support Center to resolve technical problems;

(e) you must follow the operating instructions and procedures for the Licensed Product as specified in the Documentation or provided by Synopsys; and

(f) you must notify Synopsys of any error or other problem in the Licensed Product using Synopsys's current problem reporting procedure.

1.27. **Exclusions:** Synopsys will have no obligation to provide Maintenance Services for any Licensed Products that are damaged, modified (by anyone other than Synopsys), incorporated into other software, or installed in any computing environment not supported by Synopsys; or for any version of a Licensed Product other than the latest and immediately preceding version; or for any problems caused by your negligence, abuse, misuse, or by any causes beyond Synopsys's reasonable control.

1.28. **Reinstatement of Maintenance Services:** If Maintenance Services are terminated for any reason, or if you wish to renew Maintenance Services more than thirty (30) days after Maintenance Services have been terminated, you may be permitted to reinstate or renew Maintenance Services, at Synopsys's sole option, provided that (a) Synopsys offers Maintenance Services to its customers

generally for the Licensed Product in question, and (b) you pay Synopsys the following: all applicable Maintenance Services fees for the period during which you were off Maintenance Services, and Synopsys's then-current reinstatement fee plus payment for the new Maintenance Services term.

1.29. ViewConnect: If you wish to permit Synopsys to deliver Maintenance Services through the use of a shared customer desktop, you must download and install the ViewConnect Tool and related publicly-available, third-party software modules. You are not required to use the ViewConnect Tool, but if you choose to do so, you have the nonexclusive right to use the ViewConnect Tool only to enable Synopsys to remotely access your computer system for the purpose of providing Maintenance Services. Your rights to the third-party software modules are separately described in their accompanying license terms. The ViewConnect Tool and the third-party software modules are not Licensed Products nor is their use governed by this agreement.

5.7. Training Services: Synopsys offers Training Services, which may be purchased and ordered through the online registration system found at www.synopsys.com.

Confidentiality

1.30. Confidentiality Obligations: Each party (you and Synopsys) agrees to abide by the following confidentiality obligations with respect to the other party's Confidential Information:

(a) do not disclose it to any third party unless (i) the other party has given its specific and express prior written approval, (ii) the disclosure is expressly allowed under this agreement, or (iii) the disclosure is necessary to comply with a valid court order or subpoena;

(b) do not use it for any reason other than to exercise its rights and perform its obligation under this agreement; and

(c) protect it from unauthorized dissemination in the same manner as that party protects its own Confidential Information, and in any event with reasonable precautions (which include limiting access to employees and contractors on a "need-to-know" basis).

1.31. Mandatory Disclosures: If you believe you must disclose Synopsys's Confidential Information in order to comply with a valid court order or subpoena, you must promptly notify Synopsys and cooperate with Synopsys if Synopsys chooses to contest the disclosure requirement, seek confidential treatment of the information to be disclosed, or to limit the nature or scope of the information to be disclosed. Synopsys will do the same if it believes it must disclose your Confidential Information in these circumstances.

1.32. Additional Obligations: In addition to your general obligations of confidentiality regarding the Licensed Products and Documentation, you must take the following steps to help prevent any unauthorized access to or use of the same:

(a) you must ensure that each End User who is your independent contractor (not your employee) has access to and uses the Licensed Products and Documentation only while working on your physical premises; and

(b) you must monitor each End User's use of the Licensed Products to ensure that the End User abides by the terms of this agreement.

Term and Termination

1.33. Term of Agreement: The term of this agreement will begin on the effective date stated on the signature page and will end when the last Purchasing Agreement expires, unless this agreement is terminated sooner by either party.

1.34. Term of Purchasing Agreement: Each Purchasing Agreement will have its own term, as indicated on that Purchasing Agreement.

1.35. Rights to Terminate: Each party has the right to terminate this agreement, by giving written notice of termination to the other party, if (a) the other party breaches this agreement and (b) either the breach cannot be cured or, if the breach can be cured, it is not cured by the breaching party within 15 days after receiving written notice of the breach from the non-breaching party. An Error will not be considered a breach of this agreement that allows you to terminate the agreement, but it could give rise to a warranty claim under section 8.

1.36. Consequences of Termination: If and when either you or Synopsys terminates this agreement, all Purchasing Agreements in effect at that time will also terminate. When this agreement, a Purchasing Agreement or an individual license to a Licensed Product expires or is terminated:

(a) you must (i) immediately cease all use of the Licensed Products, Documentation, Design Techniques, and other Confidential Information, (ii) promptly return to Synopsys or destroy all copies of the Licensed Products, Documentation, and other Confidential Information in your possession or control, and (iii) certify in writing to Synopsys that you have complied with clauses (i) and (ii), except, however, that your license to Implementation IP incorporated into Designs prior to termination shall continue according to its terms;

(b) you will remain obligated to pay any amounts you owe to Synopsys at that time; and

(c) the provisions of sections 4, 6, 7.4, 8.4 and 10, and the warranty disclaimers in section 8, will remain in effect.

Limited Warranty

1.37. Warranty: For a period of 90 days from when Synopsys delivers a Licensed Product to you (the "warranty period"), Synopsys warrants that the Licensed Product will have no Errors when used on the correct platform and according to the instructions in the corresponding Documentation. This warranty will be void if you, or anyone else other than Synopsys, modifies or attempts to modify the Licensed Product.

1.38. Warranty Claims: To claim a breach of this warranty, you must, during the warranty period, notify Synopsys in writing of the Error or Errors that you have encountered and provide Synopsys with all the information you have, in written or electronic form, about those Errors, so that Synopsys can attempt to reproduce, diagnose, and correct the Errors.

1.39. Exclusive Remedy: Your exclusive remedy for any breach of this warranty is that Synopsys will use commercially reasonable efforts to (at Synopsys's option) correct the Errors you have reported or provide a replacement product that does not contain these

Errors, or if Synopsys is unable to provide a correction or a replacement or determines that it will not be feasible to do so, Synopsys will refund the Fees you paid for that Licensed Product.

1.40. Disclaimer: Except for the warranty in this Section 8, all Licensed Products, Documentation, Design Techniques, and any third party software are provided “AS IS,” without any other warranties of any kind. Synopsys further disclaims all other warranties (express, implied, or statutory), including any warranties of merchantability, fitness for a particular purpose, title, or non-infringement and any warranties arising from a course of dealing or usage of trade.

Infringement Claims

1.41. Indemnity: Synopsys will, at its own expense, be entitled to defend (or at its sole option, settle) any claim asserted against you by a third party that any Licensed Product you obtained from Synopsys under this agreement directly infringes any U.S. patent, copyright, trademark, or trade secret. Synopsys will indemnify you for any damages you suffer and costs you reasonably incur that are directly attributable to any such claim and that are assessed against you in a final, non-appealable judgment or agreed upon by Synopsys in a settlement.

1.42. Conditions: Synopsys’s obligations to defend and indemnify you with respect to a particular claim are subject to the following conditions:

- (a) you must promptly give Synopsys written notice of the claim;
- (b) you must identify the specific Licensed Product(s) at issue in the claim and indicate how the Licensed Product(s) is(are) utilized by you or your products;
- (c) you must give Synopsys sole control and authority over the defense and settlement of the claim; and
- (d) you must provide Synopsys with all information you have regarding the claim and cooperate with Synopsys when Synopsys defends or attempts to settle the claim.

1.43. Pro-Active Steps: If any Licensed Product is, or Synopsys believes is likely to become, the subject of a claim for which Synopsys would be obligated to defend and indemnify you, then Synopsys may, at its option, do any of the following:

- (a) obtain for you (at no cost to you) the right for you to continue using the Licensed Product as permitted by this agreement;
- (b) replace or modify the Licensed Product to avoid the infringement problem, as long as there is no material loss of functionality; or
- (c) if Synopsys reasonably concludes that it will not be feasible to do either of the above, terminate your license for the Licensed Product and give you a prorated refund (based on how much of the License Term has elapsed) of the Fees you paid for that license.

1.44. Exclusions: Synopsys will have no obligation to defend or indemnify you (notwithstanding the first paragraph of this section) with respect to any claim that is based on or attributable to any of the following:

- (a) any modification made to the Licensed Product by anyone other than Synopsys;
- (b) the combination or use of the Licensed Product with other products, processes, or materials not supplied by Synopsys or specified in the Documentation as being necessary to use the Licensed Product;
- (c) your continued engagement in infringing activities after you were notified of the infringement or after Synopsys informed you of a modification or workaround that would have avoided the infringement; and
- (d) your use of the Licensed Product in a manner not permitted by this agreement.

1.45. Burden of Proof: You will have the burden of showing that indemnification is required pursuant to this section 9 and that the exclusions in section 9.4 are not applicable.

1.46. No Other Obligations: Except as expressly stated in this section 9, Synopsys has no obligation or liability to you for any actual or alleged infringement related to the Licensed Products, Documentation, or Design Techniques.

Other Terms

1.47. Ownership of IP Rights: Synopsys and its licensors own all Intellectual Property Rights in the Licensed Products, Documentation, and Design Techniques. Your only rights in the Licensed Products, Documentation, and Design Techniques are the rights expressly granted in this agreement; all other rights are reserved by Synopsys. Synopsys’s licensors are third-party beneficiaries of, and thus may enforce against you, the license restrictions and confidentiality obligations in this agreement with respect to their intellectual property and proprietary information. You will own all Intellectual Property Rights in the Designs you create using the Licensed Products, Documentation, and Design Techniques, subject to Synopsys’s (and its licensors’) ownership of the Intellectual Property Rights in the Licensed Products, Documentation, and Design Techniques. Synopsys may freely use and disseminate any Feedback you provide. You agree not to claim that Synopsys owes you any compensation for its use or dissemination of such Feedback.

1.48. OMITTED

1.49. OMITTED

1.50. Limitation of Liability: For each product or service you license or purchase from Synopsys under this agreement, Synopsys’s total, cumulative liability to you, including under section 9, is limited to the amount of Fees you paid for that product or service (regardless of the nature of the liability or the nature or number of claims giving rise to the liability). Synopsys will not, under any circumstances or any theory of liability, be liable to you for any lost profits, loss of data, or consequential, incidental, or special damages arising from this agreement or the products and services provided to you under this agreement. However, this disclaimer of Synopsys’s liability for consequential damages does not limit or reduce Synopsys’s obligations to defend and indemnify you under section 9. The limitations of liability in this section are a fundamental part of this agreement and enable Synopsys to provide products and services to you at lower prices. These limitations of liability are intended to apply even if an exclusive remedy is found to have failed of its essential purpose.

1.51. **Export Controls:** You shall remain familiar with your obligations under any and all laws, statutes, regulations, ordinances of any local, states, federal, national, or other jurisdictional locality, as applicable to the export, import, and/or end-use of Synopsys products, technology, and services. Products and/or technology sold under this agreement may be subject to various Export Control Laws and Regulations including but not limited to, U.S. Export Administration Regulations (EAR), the U.S. Office of Foreign Asset Control (OFAC), the European Union (EU) Export Control Regime Regulation (EC) No. 428/2009, and/or the EU Consolidated Sanctions List. Where a product and/or technology is identified as export controlled from the country(ies) of export to (1) the destination country(ies), (2) a restricted/proscribed end use, and/or (3) a restricted end user, a government-issued export license must be obtained prior to fulfillment under this agreement and in accordance with all applicable laws. You agree that Synopsys shall not be required to complete delivery of export controlled products or technology unless and until all required export licenses have been obtained.

1.52. **Governing Law; Jurisdiction:** This agreement is governed by the laws of the United States and the State of California, without regard to conflicts of laws principles. The federal and state courts located in Santa Clara County, California have exclusive jurisdiction over any disputes arising from or relating to this agreement, and each party consents to such jurisdiction and venue.

1.53. **Notices:** Any notice, approval, consent, or other communication intended to have legal effect under this agreement must be given to the other party in writing, must be sent by first-class, registered, or overnight mail or private overnight courier (to the address for the other party stated on the signature page, unless the other party has given notice of a new address), and will be deemed given upon receipt or when delivery is refused. A copy of any communication sent to Synopsys must also be sent to the attention of the General Counsel.

1.54. **Waivers:** Either party's failure to enforce any provision of this agreement will not be deemed a waiver of the future enforcement of that provision or enforcement of any other provision. In order to be binding, a waiver must be in writing and signed by the party giving the waiver.

1.55. **Independent Contractors:** The parties to this agreement are independent contractors. Neither party is the agent or partner of the other party, or has any power or authority to act on behalf of the other party.

1.56. **Severability:** If any provision in this agreement is found to be invalid or unenforceable as written, the remaining provisions will remain in full force and effect and the invalid or unenforceable provision is to be construed (and, if necessary, modified) so that it is valid and enforceable to the greatest extent possible.

1.57. **Attorneys' Fees:** The prevailing party in any action to enforce this agreement will be entitled to recover costs and expenses including reasonable attorneys' fees.

1.58. **Remedies:** Except where this agreement expressly provides exclusive remedies, all rights and remedies of either party (including termination rights) are cumulative. You agree that monetary damages alone would not be an adequate remedy, and therefore Synopsys will be entitled to injunctive relief if you materially breach the license restrictions or confidentiality provisions in this agreement.

1.59. **Force Majeure:** Each party will be excused from performance of its obligations under this agreement, except payment obligations, to the extent that performance is rendered impossible by earthquake, fire, flood, governmental action, labor disruptions, supplier failures, or any other event or circumstance beyond that party's reasonable control.

1.60. **Construction:** Section headings in this agreement are for convenience only. The word "including" (and variations thereof) is not intended to be limiting. No rule of strict construction is to be used when interpreting this agreement.

1.61. **Counterparts:** This agreement may be signed in multiple counterparts, each of which will be deemed an original and which together will constitute one instrument.

1.62. **Press Release:** The parties intend to work together to prepare and publish a mutually acceptable press release concerning this agreement.

1.63. **Government Users:** If you are a branch or agency of the United States Government, or are acquiring any Licensed Product on behalf of any branch or agency of the United States Government, then the following provision applies. The Licensed Products and Documentation are comprised of "commercial computer software" and "commercial computer software documentation", as such terms are used in 48 C.F.R. 12.212, and are provided to the Government (a) for acquisition by or on behalf of civilian agencies, consistent with the policy set forth in 48 C.F.R. 12.212; or (b) for acquisition by or on behalf of units of the Department of Defense, consistent with the policies set forth in 48 C.F.R. 227.7202-1 and 227.7202-3.

1.64. **Synopsys Entities:** Synopsys, Inc. and its wholly-owned subsidiaries, including, but not limited to, Synopsys International Limited, Synopsys International Limited Taiwan Branch, Synopsys Korea, Inc., Synopsys Technologies Company Limited and Nihon Synopsys, G.K., have agreed to their respective rights and obligations regarding the distribution of the Licensed Products and the performance of obligations related to the Licensed Products. You acknowledge that: (a) Synopsys Inc. or any directly or indirectly wholly-owned subsidiary or branch of Synopsys, Inc. may treat a purchase order addressed to that entity, representative office or branch as having been addressed to the appropriate entity or entities or branch with distribution rights for the geographic region in which the Licensed Products will be used; and (b) delivery will be completed by the Synopsys entity or branch with distribution rights for the geographic region in which the Licensed Products will be used or service will be provided. For products used or services provided in the Americas, Israel or Africa, the distributing Synopsys entity is Synopsys, Inc., based in California, USA. For products used or services provided in Taiwan, the distributing Synopsys entity is Synopsys International Limited Taiwan Branch, based in Taiwan. For products used or services provided in the Republic of Korea, the distributing Synopsys entity is Synopsys Korea, Inc., based in the Republic of Korea. For products used or services provided in the People's Republic of China (PRC), the distributing Synopsys entity is Synopsys Technologies Company Limited or Synopsys International Limited. For products used or services provided in Russia, the distributing Synopsys entity

is Synopsys LLC (Moscow) or Synopsys, Inc.. For products used or services provided in Japan, the distributing Synopsys entity is Nihon Synopsys G. K., based in Japan. For products used or services provided in any country other than those identified above, the distributing Synopsys entity is Synopsys International Limited, based in Ireland.

1.65. Entire Agreement: This agreement and any applicable attachments and Purchasing Agreements are the entire agreement between the parties concerning its subject matter, and supersede any prior or contemporaneous agreements, communications, or understandings (whether written or oral). However, any confidentiality or nondisclosure agreements that Synopsys previously entered into with you will remain in effect (according to their terms) with respect to the confidential information disclosed thereunder.

1.66. Amendments: This agreement may be amended only by means of a written instrument signed by authorized representatives of both parties that specifically refers to this agreement and states the parties' intention to amend it. No additional or inconsistent terms on any purchase order or similar document you may submit to Synopsys will be binding on Synopsys or have any legal effect.

Glossary of Definitions

API means application programming interface for accessing specific functionality of an ARC MQX Product.

ARC MQX End Customer means a customer to whom you distribute an ARC MQX Licensee Product and who shall be obligated to maintain the confidentiality of any provided Documentation, and not expose any API of the ARC MQX Product to any third party.

ARC MQX Licensee Executable means an application program, in executable form, statically linked with and using certain APIs of an ARC MQX Product, for execution solely on an embedded ARC processor.

ARC MQX Licensee Product means a product owned by you, that is specifically identified to Synopsys in a Purchasing Agreement or other document accepted by Synopsys, and that incorporates an embedded processor and the ARC MQX Licensee Executable.

ARC MQX Product means the Synopsys real-time operating system platform for the ARC processor architecture including associated source files, application programming interfaces files, and utilities for use in creating applications that run on the ARC processor architecture.

ARC Software Development Product means any MetaWare Products, nSIM Products and xCAM Products.

Board Support Package Features means those configuration files in an ARC MQX Product that define hardware components with which the ARC MQX Licensee Executable is intended to interoperate.

Client means an instance of a Licensed Product running on a computer. This means, for example, that two Clients can be either two instances of a Licensed Product running on the same computer or one instance of a Licensed Product running on each of two computers.

Confidential Information of Synopsys means (a) the Licensed Products (in any form), the Documentation, the License Keys, and SolvNet; (b) Design Techniques and all ideas and information (such as algorithms, design rules, and design techniques) contained or embodied in the Licensed Products, Documentation, License Keys, or SolvNet; (c) the prices, discounts, payment terms, and other information in the Purchasing Agreements; (d) Synopsys Training Services materials including without limitation presentations, demonstrations, software and course handouts, and (e) any other confidential or proprietary information that Synopsys provides to you in connection with this agreement. Your Confidential Information is any confidential or proprietary information in (i) written form that you provide to Synopsys in order for Synopsys to fulfill your orders and provide products and services to you under this agreement, and (ii) oral form that you provide to Synopsys in order to receive Maintenance Services; as long as you notify Synopsys at the time of disclosure that such information is to be treated as confidential under this agreement. However, Feedback is not your Confidential Information. Also, Confidential Information does not include any of the following:

(1) information that has become generally available to the public, through no fault of yours (in the case of Synopsys Confidential Information) or Synopsys (in the case of your Confidential Information) and that is not still regarded as a trade secret under laws governing information that was negligently or maliciously distributed;

(2) information that the receiving party had already obtained in a tangible form, through lawful means, before obtaining it under this agreement;

(3) information that the receiving party developed independently, without the use of any materials or information obtained from the other party in connection with this agreement;

(4) information that the receiving party has lawfully obtained, in a tangible form, from a third party that had the right to provide it to the receiving party; or

(5) information that the disclosing party releases for publication in writing.

Design means a representation of an electronic circuit or device that you create through the use of one or more Licensed Products. The representation may exist in various formats including, but not limited to, equations, truth tables, schematic diagrams, textual descriptions, hardware description languages, executable software source code and netlists.

DesignWare has the meaning given in section 1 of the Terms and Conditions.

Design Database means a design database for your Design that incorporates DesignWare in any format (except unencrypted source code for Implementation IP), along with all copyright and other proprietary legends for such DesignWare.

Design Techniques means Synopsys-supplied algorithms, data, circuit and logic elements, libraries, rule bases, search strategies, and other technical information used in the process of creating Designs.

DesignWare Fee-Per-Use Core means an IP core (as this term is understood in the semiconductor industry) for which Synopsys charges an additional fee each time it is used in the design of an integrated circuit.

Documentation means any user manuals, reference manuals, release, application and methodology notes, written utility programs, and other materials in any form provided by Synopsys for use with a Licensed Product.

End User means an individual who works for you as an employee or independent contractor and whom you designate and authorize to access and use a Licensed Product as permitted by this agreement.

Error means a defect in a Licensed Product that causes it to deviate substantially from the specifications in the corresponding Documentation.

Feedback means any ideas or suggestions you voluntarily provide to Synopsys (in any manner, whether in writing or orally or otherwise) regarding the Licensed Products, Documentation, or Design Techniques, including possible enhancements or improvements.

Fees means the amounts you must pay when you purchase products and services from Synopsys under this agreement, as identified in each Purchasing Agreement.

FTP Server means a Synopsys server that you can access via the Internet in order to download Licensed Products you have ordered.

Implementation IP means synthesizable designs (other than Verification IP).

Integrated Design means a Design that combines Implementation IP with the Design and does not consist primarily of Implementation IP.

Intellectual Property Rights means all patent rights, copyrights, trade secret rights, mask works, and trademark rights (including service marks and trade names), and any applications for these rights, in all countries.

Key Server means the computer with the host I.D. number that is identified in the License Key and which controls access to and enables the use of a Licensed Product.

License Key means a document (in physical or electronic format) provided by Synopsys that identifies: (a) the Licensed Product, including version number, licensed to you; (b) the Key Server; (c) the number of permitted Clients; and (d) the codes that initialize use of the Key Server.

License Term means the period of time during which you may use a Licensed Product under a particular license.

Licensed Design Partner means a third party that (a) you have engaged to work with you on a common Design; and (b) has a valid Synopsys end user license agreement for the DesignWare used in your Design.

Licensed Products has the meaning given in section 1 of the Terms and Conditions.

Licensed Software has the meaning given in section 1 of the Terms and Conditions.

Maintenance Services has the meaning given in section 1 of the Terms and Conditions.

MetaWare Product means a Synopsys software development tool used to create, profile and debug software applications that run on an embedded microprocessor, identified by Synopsys with the product name “MetaWare”.

nSIM Product means a Synopsys software model of the instruction set of an embedded ARC microprocessor, identified by Synopsys with the product name “nSIM”.

Open Source Software has the meaning given in section 2.12 of the Terms and Conditions.

Parent Entity means a person, company or other entity that owns, directly or indirectly, more than fifty percent (50%) of your assets or of the stock or other equity interests entitled to vote for your directors or equivalent managing authority.

Purchasing Agreement means the applicable Synopsys sales quotation, FSA schedule, purchase agreement or other agreement describing (among other things) the products and services that you have licensed or purchased, including pricing information.

SolvNet means Synopsys’s suite of online support services accessible via the Internet.

Synopsys Competitor means any corporation or other legal entity in the business of developing and/or marketing (including making generally commercially available to end user customers) one or more electronic design automation software products or intellectual property cores or related services.

System-on-Chip means an integrated circuit which integrates the microcontroller, microprocessor, peripherals and interfaces in a single Design.

TSL means a time-based technology subscription license of a Licensed Product. A TSL lasts for a specific period of time (the License Term) from when the license is delivered and includes (at no additional charge) Maintenance Services for the Licensed Product in question.

Updates means error corrections and minor improvements to the Licensed Products.

Use Area for a Licensed Product means a single geographical site that you own or occupy as your place of business, which may consist of one or more buildings located within 5 miles of one another, and in which the Key Servers, Clients, and End Users for that Licensed Product are all located, except as modified by the right to allow End Users to telecommute or use over a WAN in section 2.6.

Verification IP means test benches (including software models, test suites, and monitors) that simulate, test, and verify the functionality of certain electronic circuits or devices.

WAN means a wide area network as referred to in section 2.6.

xCAM Product means a Synopsys software development tool that creates and uses cycle-accurate software models of an embedded ARC microprocessor, identified by Synopsys with the product name “xCAM”.

You (and variations thereof) means the entity that signs or agrees to this agreement as the customer.

Part Three: Other Third-Party Content.

Index:

absl-py version 2.3.1
antlr4-python3-runtime version 4.10.0
anyio version 4.8.0
anytree version 2.8.0
apache commons collections version 4.0
apache commons io version 2.15.0
apache commons io version 2.4
apache commons lang version 3.3.2
apache commons lang3 version 3.14.0
apache httpcomponents client version 4.2.5
apache httpcomponents core version 4.2.4
apache-jakarta-commons-cli version 1.4
apache-jakarta-commons-codec version 1.6
apache-jakarta-commons-logging version 1.1.1
apache-log4j version 2.17.1
argon2-cffi version 23.1.0
argon2-cffi-bindings version 21.2.0
arrow version 1.3.0
asttokens version 3.0.0
astunparse version 1.6.3
attrs version 21.2.0
attrs version 25.1.0
bashlex version 0.18
batik version 1.70
beautifulsoup4 version 4.13.3
binutils version 2.39
bitstring version 3.1.6
bleach version 4.1.0
bleach version 6.2.0
blessings version 1.7
boost version 1.60.0
boost version 1.72.0
certifi version 2025.8.3
cffi version 1.15.0
cffi version 1.17.1
charset-normalizer version 3.4.3
chipscore version 2022.2
click version 7.1.2
click version 8.0.1
click version 8.1.8
cmd2 version 0.9.6
coin-or version 1.6.0
coin-or-cbc version 2.7.5

coin-or-cgl version 0.57.2
coin-or-chipps-alps version 1.4.1
coin-or-chipps-biceps version 0.93.1
coin-or-chipps-blis version 0.93.1
coin-or-clp version 1.14.5
coin-or-coinutils version 2.8.5
coin-or-cppad version 20110101.50
coin-or-dip version 0.83.0
coin-or-dylp version 1.8.2
coin-or-osi version 0.105.2
colorama version 0.4.1
colorama version 0.4.5
colorama version 0.4.6
commonmark version 0.9.1
compiledb version 0.10.1
compiledb version master
configparser version 5.3.0
cyclcr version 0.12.1
debugpy version 1.5.1
debugpy version 1.8.12
defusedxml version 0.7.1
devicetree version 0.0.2
eclipse-dltk.core version 5.4.0
eclipse-dltk.core version 6.1
eclipse-emf version 2.14.0
eclipse-equinox version 2.4.700
eclipse-jetty.project version 11.0.18
Eclipse-TCF-Python-code version 1.7
entrypoints version 0.3
entrypoints version 0.4
executablebooks-markdown-it-py version 4.0.0
executing version 2.1.0
executing version 2.2.0
facebook-zstd version 1.5.5
fastjsonschema version 2.21.1
FastXML version 1.0.0
flatbuffers version 25.2.10
fonttools version 4.59.2
fqdn version 1.5.1
ftd2xx version 2.12.28
gast version 0.6.0
gcc version 12.2.0
gcc version 8.3.0
gdb version 12.1
gdb version 8.2
gdb version 9.2
gitdb version 4.0.7
gitpython version 3.1.24
glibc version 2.36
google-gson version 1.6
google-gson version 2.8.2
google-guava version 30.1.1
google-pasta version 0.2.0
google-protobuf version 3.7.1
google-protobuf version 6.32.0
google-protoc version 3.7.1
grpcio version 1.69.0
grpcio-tools version 1.69.0

grpcio-tools version 1.74.0
h5py version 3.14.0
humanfriendly version 10.0
idna version 3.1
igraph version 0.11.9
importlib-metadata version 4.11.3
importlib-metadata version 4.12.0
importlib-resources version 5.4.0
ipykernel version 6.29.5
ipython version 7.29.0
ipython version 8.31.0
ipython-comm version 0.2.2
ipython-genutils version 0.2.0
ipywidgets version 7.6.5
ipywidgets version 8.1.5
isoduration version 20.11.0
java-cef version 95.0.4638.69
javafx-base version 21.0.5
javahelp version 2.0.05
javax.activation-api version 1.2.0
jaxb-api version 2.3.0
jaxb-api version 2.3.1
jaxb-core version 2.3.0.1
jaxb-impl version 2.3.1
jide-software version 3.7.6
Jinja2 version 3.0.3
jinja2 version 3.1.5
joblib version 0.15.1
joblib version 1.4.2
jQuery version 3.1.0
json-pointer version 3.0.0
jsonschema version 4.2.1
jsonschema version 4.23.0
jsonschema-specifications version 2024.10.1
jungo-windriver-wdreg version 10.21
jupyter version 1.0.0
jupyter-client version 7.0.6
jupyter-client version 7.4.9
jupyter-console version 6.4.0
jupyter-console version 6.6.3
jupyter-core version 4.9.1
jupyter-core version 5.7.2
jupyter-events version 0.12.0
jupyter-server version 2.15.0
jupyter-server-terminals version 0.5.3
jupyterlab-pygments version 0.1.2
jupyterlab-pygments version 0.3.0
jupyterlab-widgets version 1.0.2
jupyterlab-widgets version 3.0.13
keras version 3.11.3
kiwisolver version 1.4.9
libclang version 18.1.1
libedit version v20150325-3.1
libftdi version 0.02
libgomp version 4.8.0
libstdc++ version 4.8.0
libusb version 0.1.12
libusb version 1.0.9

LLVM version 12.0
llvm version 3.1
llvm version 3.9
llvm version 7.0
llvm version 8.0
llvm version 9.0.1
llvm-mirror-clang version 14.0.0
logback-classic version 1.2.8
logback-core version 1.0.13
logback-core version 1.2.8
loguru version 0.5.3
lopper version 1.1
mailer version 0.8.1
markdown version 3.8.2
markdown-it-mdurl version 0.1.2
markupsafe version 3.0.2
matplotlib version 3.10.5
matplotlib-inline version 0.1.2
matplotlib-inline version 0.1.3
matplotlib-inline version 0.1.7
miglayout version 3.7.3.1
mingw-w64 version 4.9.1
mingw-w64 version 6.2.0
mingw32-runtime version 9.3.0
mistune version 0.8.4
mistune version 3.1.2
ml-dtypes version 0.5.3
more-itertools version 8.14.0
more-itertools version 8.7.0
msys2 version 5.0.1
namex version 0.1.0
nbclassic version 1.2.0
nbclient version 0.10.2
nbclient version 0.5.5
nbconvert version 6.2.0
nbconvert version 7.16.6
nbformat version 5.1.3
nbformat version 5.10.4
nest-asyncio version 1.5.1
nest-asyncio version 1.6.0
networkx version 3.5
nlview version 6.1.0d
notebook version 6.4.5
notebook version 6.5.7
notebook-shim version 0.2.4
numpy version 1.18.4
numpy-numpy version 2.2.1
oasys-rtl version 11.3
openjdk version 11.0.11_9
openjdk version 17.0.7
openjdk version 21.0.5_11
opt-einsum version 3.4.0
optree version 0.17.0
overrides version 7.7.0
packaging version 21.2
packaging version 24.2
packaging version 25.0
pallets-werkzeug version 3.1.3

pandas version 1.0.4
pandas version 2.2.3
pandocfilters version 1.5.0
pandocfilters version 1.5.1
parso version 0.8.2
parso version 0.8.4
patsy version 1.0.1
pcpp version 1.30
pexpect version 4.9.0
pexpect-pexpect version 4.8
pexpect-ptyprocess version 0.7.0
pickleshare-pickleshare version 0.7.5
pigz version 2.4
pillow version 11.3.0
pip version 19.2.3
pip version 21.3.1
pip version 24.1.1
pip version 24.2
platformdirs version 4.3.6
prometheus-client version 0.12.0
prometheus-client version 0.21.1
prompt-toolkit version 3.0.18
prompt-toolkit version 3.0.22
prompt-toolkit version 3.0.24
prompt-toolkit version 3.0.48
prompt-toolkit version 3.0.50
protobuf version 3.15.6
protobuf version 3.21.12
protobuf version 5.29.3
psutil version 5.9.0
psutil version 6.1.1
psutil version 7.0.0
pure-eval version 0.2.3
pyaml version 21.10.1
pyparser version 2.21
pyparser version 2.22
pydot version 1.0.28
pyelftools version 0.23
pyelftools version 0.32
Pygments version 2.10.0
pygments version 2.11.2
pygments version 2.19.1
pygments version 2.8.0
pygments-pygments version 2.13.0
pypa-wheel version 0.45.1
pyparsing version 2.4.7
pyparsing version 3.0.9
pyparsing version 3.2.3
pysistent version 0.18.0
python version 3.13.0
python version 3.8.3
python-attrs version 18.2.0
python-backcall version 0.2.0
python-dateutil version 2.8.1
python-dateutil version 2.8.2
python-dateutil version 2.9.0
python-decorator version 5.0.9
python-decorator version 5.1.0

python-decorator version 5.1.1
python-ipython version 7.23.1
python-jedi version 0.18.0
python-jedi version 0.19.2
python-json-logger version 3.2.1
pytz version 2020.1
pytz version 2024.2
pyyaml version 6.0
PyYAML version 6.0.2
pyzmq version 22.3.0
pyzmq version 26.2.1
qtconsole version 5.6.1
QtPy version 1.11.2
QtPy version 2.4.3
referencing version 0.36.2
requests version 2.32.5
rfc3339-validator version 0.1.4
rfc3986-validator version 0.1.1
rich version 14.1.0
rich version 9.12.4
rich version 9.13.0
rpds-py version 0.22.3
ruamel.yaml version 0.17.21
ruamel.yaml.clib version 0.2.7
scikit-learn version 0.23.1
scikit-learn version 1.6.0
scipy version 1.1.0
scipy version 1.15.0
scipy version 1.16.1
scipy version 1.4.1
seaborn version 0.13.2
Send2Trash version 1.8.0
Send2Trash version 1.8.3
setuptools version 41.2.0
sevenzip version 4.65
shutilwhich version 1.1.0
simplejson version 1.1.1
simplejson version 3.17
six version 1.15.0
six version 1.16.0
six version 1.17.0
slf4j-api version 1.7.32
slf4j-api version 2.0.9
smmap version 4.0.0
sniffio version 1.3.1
soupsieve version 2.6
sphinx version 7.1.2
sphinx version 8.1.3
sphinx_rtd_theme version 1.3.0
sphinx_rtd_theme version 3.0.2
sphinxcontrib-applehelp version 1.0.4
sphinxcontrib-applehelp version 2.0.0
sphinxcontrib-devhelp version 1.0.2
sphinxcontrib-devhelp version 2.0.0
sphinxcontrib-htmlhelp version 2.0.1
sphinxcontrib-htmlhelp version 2.1.0
sphinxcontrib-jquery version 4.1
sphinxcontrib-jsmath version 1.0.1

[Public]

sphinxcontrib-qthelp version 1.0.3
sphinxcontrib-serializinghtml version 1.1.5
sphinxcontrib_qthelp version 2.0.0
sqlite version 3.28.0
sqlite version 3.45.1
stack-data version 0.6.3
statsmodels version 0.14.5
swingx version 1.6.2
systemc version 2.3.1
tcl version 8.5.14
tcl version 8.5.6
tcl version 8.6
tcllib version 2.0
tcltk version 8.4
tdom-tdom version 0.8.2
telnetlib3 version 2.0.4
tensorboard version 2.20.0
tensorboard-data-server version 0.7.2
tensorflow version 2.20.0
termcolor version 3.1.0
terminado version 0.12.1
terminado version 0.18.1
testpath version 0.5.0
texttable version 1.7.0
threadpoolctl version 2.1.0
threadpoolctl version 3.5.0
tinycss2 version 1.4.0
tornado version 6.4.2
traitlets version 5.0.5
traitlets version 5.1.1
traitlets version 5.14.3
treelite version 0.32
typing-extensions version 3.10.0.2
typing-extensions version 4.12.2
typing-extensions version 4.15.0
tzdata version 2024.2
uri-template version 1.3.0
urllib3 version 2.5.0
Visual C++ Redistributable for Visual Studio version 14.32.31326.0
wcwidth version 0.2.13
wcwidth version 0.2.5
wcwidth version 0.2.6
webcolors version 24.11.1
webencodings version 0.5.1
websocket-client version 1.8.0
widgetsnbextension version 3.5.2
widgetsnbextension version 4.0.13
win32-setctime version 1.0.3
win32-setctime version 1.1.0
wrapr version 1.17.3
xerces-c version 3.2.3
xgboost version 0.82
z3 version 4.8.5
zip4j version 2.2.1
zipp version 3.4.0
zipp version 3.6.0
zipp version 3.8.1

The text of the Apache License, Version 2.0, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).antlr4-python3-runtime version 4.10.0
<<<<<<<<xilinx-separator>>>>>>>>

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 2018 Alex Grönholm

Permission is hereby granted, free of charge, to any person obtaining a copy of

[Public]

this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

```
anytree version 2.8.0
<<<<<<<xilinx-separator>>>>>>>
```

The text of the Apache License, Version 2.0, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

```
apache commons collections version 4.0
<<<<<<<xilinx-separator>>>>>>>
```

The text of the Apache License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here.

Copyright 2001-2013 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (<http://www.apache.org/>).

```
apache commons io version 2.15.0
<<<<<<<xilinx-separator>>>>>>>>
```

The text of the Apache License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here.

Copyright 2002-2012 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (<http://www.apache.org/>).

apache commons io version 2.4

<<<<<<<xilinx-separator>>>>>>>

The text of the Apache License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here.

Copyright 2002-2012 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (<http://www.apache.org/>).

apache commons lang version 3.3.2

```
<<<<<<<<xilinx-separator>>>>>>>>>
```

The text of the Apache License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here.

Copyright 2001-2014 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (<http://www.apache.org/>).

apache commons lang3 version 3.14.0

<<<<<<<xilinx-separator>>>>>>>

The text of the Apache License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here.

Copyright 2001-2014 The Apache Software Foundation

This product includes software developed at

The Apache Software Foundation (<http://www.apache.org/>).

```
<<<<<<<<xilinx-separator>>>>>>>>
```

Apache HttpComponents Client
Copyright 1999-2012 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (<http://www.apache.org/>).

```
<<<<<<<xilinx-separator>>>>>>>
```

Apache v 2: The text of the Apache License, Version 2.0, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

Copyright 1999-2005 The Apache Software Foundation
Copyright 2005 Brian Goetz and Tim Peierls

```
<<<<<<<xilinx-separator>>>>>>>
```

The text of the Apache License, Version 2.0, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

<<<<<<<xilinx-separator>>>>>>>

Copyright 2001-2009 The Apache Software Foundation

<<<<<<<xilinx-separator>>>>>>>

Copyright 2001-2007 The Apache Software Foundation

<<<<<<<xilinx-separator>>>>>>>

The text of the Apache License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

Copyright 1999-2005 The Apache Software Foundation
Copyright 2005-2006 Tim Fennell
Copyright 2004 Jason Paul Kitchen
Copyright 1999-2021 Apache Software Foundation
Copyright 2017 Remko Popma
Copyright 2002-2012 Ramnivas Laddad Juergen Hoeller Chris Beams

<<<<<<<xilinx-separator>>>>>>>

The MIT License (MIT)

Copyright (c) 2015 Hynek Schlawack

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER

The MIT License (MIT)

Copyright (c) 2015 Hynek Schlawack

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

```
arrow version 1.3.0
<<<<<<<xilinx-separator>>>>>>>>
```

Apache License
Version 2.0, January 2004
<http://www.apache.org/licenses/>

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the

direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made,

use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

- (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and
- (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
- (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
- (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify

the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.
7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.
8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.
9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.

of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to

avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

1. Source Code.

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.

4. Conveying Verbatim Copies.

You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

- a) The work must carry prominent notices stating that you modified it, and giving a relevant date.
- b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".
- c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.
- d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program,

in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

- a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.
- b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.
- c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.
- d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.
- e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

- a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or
- b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or
- c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or
- d) Limiting the use for publicity purposes of names of licensors or authors of the material; or
- e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or
- f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under

this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.

9. Acceptance Not Required for Having Copies.

You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying

the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.

12. No Surrender of Others' Freedom.

If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any

author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of

[Public]

MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <<http://www.gnu.org/licenses/>>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

```
<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands ``show w'` and ``show c'` should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

batik version 1.70

<<<<<<<xilinx-separator>>>>>>>

The text of the Apache License, Version 2.0, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

NOTICE:

Apache Batik

Copyright 1999-2007 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (<http://www.apache.org/>).

This software contains code from the World Wide Web Consortium (W3C) for the Document Object Model API (DOM API) and SVG Document Type Definition (DTD).

This software contains code from the International Organisation for Standardization for the definition of character entities used in the software's documentation.

This product includes images from the Tango Desktop Project (<http://tango.freedesktop.org/>).

This product includes images from the Pasodoble Icon Theme
(<http://www.jesusda.com/projects/pasodoble>).

COPYRIGHT TEXT:

```
# -----  
#  
# Licensed to the Apache Software Foundation (ASF) under one or more  
# contributor license agreements. See the NOTICE file distributed with  
# this work for additional information regarding copyright ownership.  
# The ASF licenses this file to You under the Apache License, Version 2.0  
# (the "License"); you may not use this file except in compliance with  
# the License. You may obtain a copy of the License at  
#  
# http://www.apache.org/licenses/LICENSE-2.0  
#  
# Unless required by applicable law or agreed to in writing, software  
# distributed under the License is distributed on an "AS IS" BASIS,  
# WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.  
# See the License for the specific language governing permissions and  
# limitations under the License.  
#  
# The resource file for the language dialog.  
#  
# stephane@hillion.org  
# $Id: LanguageDialogMessages.properties 496986 2007-01-17 10:50:57Z cam $  
# -----
```

COPYRIGHT TEXT:

```
# Copyright 2002-2005 The Apache Software Foundation or its licensors,  
# as applicable.  
#  
# Licensed under the Apache License, Version 2.0 (the "License");  
# you may not use this file except in compliance with the License.  
# You may obtain a copy of the License at  
#  
# http://www.apache.org/licenses/LICENSE-2.0  
#  
# Unless required by applicable law or agreed to in writing, software  
# distributed under the License is distributed on an "AS IS" BASIS,  
# WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.  
# See the License for the specific language governing permissions and  
# limitations under the License.  
#####  
# Properties used by forrest.build.xml for building the website  
# These are the defaults, un-comment them only if you need to change them.  
#####  
# Prints out a summary of Forrest settings for this project  
#forrest.echo=true  
# Project name (used to name .war file)
```

COPYRIGHT TEXT:

```
/*  
Licensed to the Apache Software Foundation (ASF) under one or more  
contributor license agreements. See the NOTICE file distributed with  
this work for additional information regarding copyright ownership.  
The ASF licenses this file to You under the Apache License, Version 2.0  
(the "License"); you may not use this file except in compliance with
```

the License. You may obtain a copy of the License at
<http://www.apache.org/licenses/LICENSE-2.0>
 Unless required by applicable law or agreed to in writing, software
 distributed under the License is distributed on an "AS IS" BASIS,
 WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 See the License for the specific language governing permissions and
 limitations under the License.

*/

```

COPYRIGHT TEXT:
/*
 * Copyright (c) 2006 World Wide Web Consortium,
 *
 * (Massachusetts Institute of Technology, European Research Consortium for
 * Informatics and Mathematics, Keio University). All Rights Reserved. This
 * work is distributed under the W3C(r) Software License [1] in the hope that
 * it will be useful, but WITHOUT ANY WARRANTY; without even the implied
 * warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
 *
 * [1] http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231
 */

```

```

COPYRIGHT TEXT:
/*
 * Copyright (c) 2005 World Wide Web Consortium,
 *
 * (Massachusetts Institute of Technology, European Research Consortium for
 * Informatics and Mathematics, Keio University). All Rights Reserved. This
 * work is distributed under the W3C(r) Software License [1] in the hope that
 * it will be useful, but WITHOUT ANY WARRANTY; without even the implied
 * warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
 *
 * [1] http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231
 *
 * Modifications:
 *
 * September 10, 2005
 * Placed interface in org.apache.batik.dom.xbl for the time being.
 * Added javadocs.
 */

```

beautifulsoup4 version 4.13.3
<<<<<<<xilinx-separator>>>>>>>>

Butiful Soup is made available under the MIT license:

Copyright (c) 2004-2012 Leonard Richardson

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to

and/or other materials provided with the distribution.

- * Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(3) DJ Delorie

Copyright (C) 1993 DJ Delorie
All rights reserved.

Redistribution, modification, and use in source and binary forms is permitted provided that the above copyright notice and following paragraph are duplicated in all such forms.

This file is distributed WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

(4) (formerly GPL for fr30)

The GPL is no longer applicable to the fr30 platform. The piece of code (syscalls.c) referencing the GPL has been officially relicensed.

(5) Advanced Micro Devices

Copyright 1989, 1990 Advanced Micro Devices, Inc.

This software is the property of Advanced Micro Devices, Inc (AMD) which specifically grants the user the right to modify, use and distribute this software provided this notice is not removed or altered. All other rights are reserved by AMD.

AMD MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH REGARD TO THIS SOFTWARE. IN NO EVENT SHALL AMD BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH OR ARISING FROM THE FURNISHING, PERFORMANCE, OR USE OF THIS SOFTWARE.

So that all may benefit from your experience, please report any problems or suggestions about this software to the 29K Technical Support Center at 800-29-29-AMD (800-292-9263) in the USA, or 0800-89-1131 in the UK, or 0031-11-1129 in Japan, toll free. The direct dial number is 512-462-4118.

Advanced Micro Devices, Inc.
29K Support Products
Mail Stop 573
5900 E. Ben White Blvd.
Austin, TX 78741
800-292-9263

(6) - Analog Devices, Inc. (bfin-* targets)

Copyright (C) 2006, 2008, 2009, 2011, 2012 Analog Devices, Inc.

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

(7) University of Utah and the Computer Systems Laboratory (CSL)

[applies only to hppa*-*pro* targets]

Copyright (c) 1990, 1994 The University of Utah and the Computer Systems Laboratory (CSL). All rights reserved.

Permission to use, copy, modify and distribute this software is hereby granted provided that (1) source code retains these copyright, permission, and disclaimer notices, and (2) redistributions including binaries reproduce the notices in supporting documentation, and (3) all advertising materials mentioning features or use of this software display the following acknowledgement: ``This product includes software developed by the Computer Systems Laboratory at the University of Utah.'

THE UNIVERSITY OF UTAH AND CSL ALLOW FREE USE OF THIS SOFTWARE IN ITS "AS IS" CONDITION. THE UNIVERSITY OF UTAH AND CSL DISCLAIM ANY LIABILITY OF ANY KIND FOR ANY DAMAGES WHATSOEVER RESULTING FROM THE USE OF THIS SOFTWARE.

CSL requests users of this software to return to csl-dist@cs.utah.edu any improvements that they make and grant CSL redistribution rights.

(8) Sun Microsystems

Copyright (C) 1993 by Sun Microsystems, Inc. All rights reserved.

Developed at SunPro, a Sun Microsystems, Inc. business.
Permission to use, copy, modify, and distribute this software is freely granted, provided that this notice is preserved.

(9) Hewlett Packard

(c) Copyright 1986 HEWLETT-PACKARD COMPANY

To anyone who acknowledges that this file is provided "AS IS" without any express or implied warranty:

permission to use, copy, modify, and distribute this file for any purpose is hereby granted without fee, provided that the above copyright notice and this notice appears in all copies, and that the name of Hewlett-Packard Company not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Hewlett-Packard Company makes no representations about the suitability of this software for any purpose.

(10) Hans-Peter Nilsson

Copyright (C) 2001 Hans-Peter Nilsson

Permission to use, copy, modify, and distribute this software is freely granted, provided that the above copyright notice, this notice and the following disclaimer are preserved with no changes.

THIS SOFTWARE IS PROVIDED ``AS IS'' AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

(11) IBM Corp. spu processor (only spu-* targets)

(C) Copyright IBM Corp. 2005, 2006

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

- * Neither the name of IBM nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(12) Jon Beniston (only lm32-* targets)

Contributed by Jon Beniston <jon@beniston.com>

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS'' AND

ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(13) - Xilinx, Inc. (microblaze-* and powerpc-* targets)

Copyright (c) 2004, 2009 Xilinx, Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of Xilinx nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDER AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(14) - National Semiconductor Corporation

Copyright (c) 2004 National Semiconductor Corporation

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

(15) - CodeSourcery, Inc. (tic6x-* targets)

Copyright (c) 2010 CodeSourcery, Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of CodeSourcery nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY CODESOURCERY, INC. ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL CODESOURCERY BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(16) - GPL with exception (sparc-*leon*, crx-*, cr16-* targets only)

Copyright (C) 1992 Free Software Foundation, Inc.
Written By David Vinayak Henkel-Wallace, June 1992

This file is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2, or (at your option) any later version.

In addition to the permissions in the GNU General Public License, the Free Software Foundation gives you unlimited permission to link the compiled version of this file with other programs, and to distribute those programs without any restriction coming from the use of this file. (The General Public License restrictions do apply in other respects; for example, they cover modification of the file, and distribution when not linked into another program.)

This file is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street - Fifth Floor, Boston, MA 02110-1301, USA.

As a special exception, if you link this library with files compiled with GCC to produce an executable, this does not cause

the resulting executable to be covered by the GNU General Public License.
This exception does not however invalidate any other reasons why
the executable file might be covered by the GNU General Public License.

(17) - Adapteva, Inc. (epiphany-* targets)

Copyright (c) 2011, Adapteva, Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:
* Redistributions of source code must retain the above copyright notice, this
list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice,
this list of conditions and the following disclaimer in the documentation
and/or other materials provided with the distribution.

* Neither the name of Adapteva nor the names of its contributors may be used
to endorse or promote products derived from this software without specific
prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED
WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER
CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

>>>> COPYING.NEWLIB

The newlib subdirectory is a collection of software from several sources.

Each file may have its own copyright/license that is embedded in the source
file. Unless otherwise noted in the body of the source file(s), the following copyright
notices will apply to the contents of the newlib subdirectory:

(1) Red Hat Incorporated

Copyright (c) 1994-2009 Red Hat, Inc. All rights reserved.

This copyrighted material is made available to anyone wishing to use,
modify, copy, or redistribute it subject to the terms and conditions
of the BSD License. This program is distributed in the hope that
it will be useful, but WITHOUT ANY WARRANTY expressed or implied,
including the implied warranties of MERCHANTABILITY or FITNESS FOR
A PARTICULAR PURPOSE. A copy of this license is available at
<http://www.opensource.org/licenses>. Any Red Hat trademarks that are
incorporated in the source code or documentation are not subject to
the BSD License and may only be used or replicated with the express
permission of Red Hat, Inc.

(2) University of California, Berkeley

Copyright (c) 1981-2000 The Regents of the University of California.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(3) David M. Gay (AT&T 1991, Lucent 1998)

The author of this software is David M. Gay.

Copyright (c) 1991 by AT&T.

Permission to use, copy, modify, and distribute this software for any purpose without fee is hereby granted, provided that this entire notice is included in all copies of any software which is or includes a copy or modification of this software and in all copies of the supporting documentation for such software.

THIS SOFTWARE IS BEING PROVIDED "AS IS", WITHOUT ANY EXPRESS OR IMPLIED WARRANTY. IN PARTICULAR, NEITHER THE AUTHOR NOR AT&T MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND CONCERNING THE MERCHANTABILITY OF THIS SOFTWARE OR ITS FITNESS FOR ANY PARTICULAR PURPOSE.

The author of this software is David M. Gay.

Copyright (C) 1998-2001 by Lucent Technologies
All Rights Reserved

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that the copyright notice and this permission notice and warranty disclaimer appear in supporting documentation, and that the name of Lucent or any of its entities not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

LUCENT DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL LUCENT OR ANY OF ITS ENTITIES BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

(4) Advanced Micro Devices

Copyright 1989, 1990 Advanced Micro Devices, Inc.

This software is the property of Advanced Micro Devices, Inc (AMD) which specifically grants the user the right to modify, use and distribute this software provided this notice is not removed or altered. All other rights are reserved by AMD.

AMD MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH REGARD TO THIS SOFTWARE. IN NO EVENT SHALL AMD BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH OR ARISING FROM THE FURNISHING, PERFORMANCE, OR USE OF THIS SOFTWARE.

So that all may benefit from your experience, please report any problems or suggestions about this software to the 29K Technical Support Center at 800-29-29-AMD (800-292-9263) in the USA, or 0800-89-1131 in the UK, or 0031-11-1129 in Japan, toll free. The direct dial number is 512-462-4118.

Advanced Micro Devices, Inc.
29K Support Products
Mail Stop 573
5900 E. Ben White Blvd.
Austin, TX 78741
800-292-9263

(5)

(6)

(7) Sun Microsystems

Copyright (C) 1993 by Sun Microsystems, Inc. All rights reserved.

Developed at SunPro, a Sun Microsystems, Inc. business.
Permission to use, copy, modify, and distribute this software is freely granted, provided that this notice is preserved.

(8) Hewlett Packard

(c) Copyright 1986 HEWLETT-PACKARD COMPANY

To anyone who acknowledges that this file is provided "AS IS" without any express or implied warranty:
permission to use, copy, modify, and distribute this file for any purpose is hereby granted without fee, provided that the above copyright notice and this notice appears in all copies, and that the name of Hewlett-Packard Company not be

used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Hewlett-Packard Company makes no representations about the suitability of this software for any purpose.

(9) Hans-Peter Nilsson

Copyright (C) 2001 Hans-Peter Nilsson

Permission to use, copy, modify, and distribute this software is freely granted, provided that the above copyright notice, this notice and the following disclaimer are preserved with no changes.

THIS SOFTWARE IS PROVIDED ``AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

(10) Stephane Carrez (m68hc11-elf/m68hc12-elf targets only)

Copyright (C) 1999, 2000, 2001, 2002 Stephane Carrez (stcarrez@nerim.fr)

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

(11) Christopher G. Demetriou

Copyright (c) 2001 Christopher G. Demetriou

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(12) SuperH, Inc.

Copyright 2002 SuperH, Inc. All rights reserved

This software is the property of SuperH, Inc (SuperH) which specifically grants the user the right to modify, use and distribute this software provided this notice is not removed or altered. All other rights are reserved by SuperH.

SUPERH MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH REGARD TO THIS SOFTWARE. IN NO EVENT SHALL SUPERH BE LIABLE FOR INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH OR ARISING FROM THE FURNISHING, PERFORMANCE, OR USE OF THIS SOFTWARE.

So that all may benefit from your experience, please report any problems or suggestions about this software to the SuperH Support Center via e-mail at softwaresupport@superh.com .

SuperH, Inc.
405 River Oaks Parkway
San Jose
CA 95134
USA

(13) Royal Institute of Technology

Copyright (c) 1999 Kungliga Tekniska H gskolan
(Royal Institute of Technology, Stockholm, Sweden).
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of KTH nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY KTH AND ITS CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL KTH OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(14) Alexey Zelkin

Copyright (c) 2000, 2001 Alexey Zelkin <phantom@FreeBSD.org>
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(15) Andrey A. Chernov

Copyright (C) 1997 by Andrey A. Chernov, Moscow, Russia.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(16) FreeBSD

Copyright (c) 1997-2002 FreeBSD Project.
All rights reserved.

Redistribution and use in source and binary forms, with or without

modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(17) S. L. Moshier

Author: S. L. Moshier.

Copyright (c) 1984,2000 S.L. Moshier

Permission to use, copy, modify, and distribute this software for any purpose without fee is hereby granted, provided that this entire notice is included in all copies of any software which is or includes a copy or modification of this software and in all copies of the supporting documentation for such software.

THIS SOFTWARE IS BEING PROVIDED "AS IS", WITHOUT ANY EXPRESS OR IMPLIED WARRANTY. IN PARTICULAR, THE AUTHOR MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND CONCERNING THE MERCHANTABILITY OF THIS SOFTWARE OR ITS FITNESS FOR ANY PARTICULAR PURPOSE.

(18) Citrus Project

Copyright (c)1999 Citrus Project,
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)

HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(19) Todd C. Miller

Copyright (c) 1998 Todd C. Miller <Todd.Miller@courtesan.com>
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(20) DJ Delorie (i386)
Copyright (C) 1991 DJ Delorie
All rights reserved.

Redistribution, modification, and use in source and binary forms is permitted provided that the above copyright notice and following paragraph are duplicated in all such forms.

This file is distributed WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

(21) Free Software Foundation LGPL License (*-linux* targets only)

Copyright (C) 1990-1999, 2000, 2001 Free Software Foundation, Inc.
This file is part of the GNU C Library.
Contributed by Mark Kettenis <kettenis@phys.uva.nl>, 1997.

The GNU C Library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

The GNU C Library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with the GNU C Library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

(22) Xavier Leroy LGPL License (i[3456]86-*-linux* targets only)

Copyright (C) 1996 Xavier Leroy (Xavier.Leroy@inria.fr)

This program is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

(23) Intel (i960)

Copyright (c) 1993 Intel Corporation

Intel hereby grants you permission to copy, modify, and distribute this software and its documentation. Intel grants this permission provided that the above copyright notice appears in all copies and that both the copyright notice and this permission notice appear in supporting documentation. In addition, Intel grants this permission provided that you prominently mark as "not part of the original" any modifications made to this software or documentation, and that the name of Intel Corporation not be used in advertising or publicity pertaining to distribution of the software or the documentation without specific, written prior permission.

Intel Corporation provides this AS IS, WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Intel makes no guarantee or representations regarding the use of, or the results of the use of, the software and documentation in terms of correctness, accuracy, reliability, currentness, or otherwise; and you rely on the software, documentation and results solely at your own risk.

IN NO EVENT SHALL INTEL BE LIABLE FOR ANY LOSS OF USE, LOSS OF BUSINESS, LOSS OF PROFITS, INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND. IN NO EVENT SHALL INTEL'S TOTAL LIABILITY EXCEED THE SUM PAID TO INTEL FOR THE PRODUCT LICENSED HEREUNDER.

(24) Hewlett-Packard (hppa targets only)

(c) Copyright 1986 HEWLETT-PACKARD COMPANY

To anyone who acknowledges that this file is provided "AS IS" without any express or implied warranty:

permission to use, copy, modify, and distribute this file for any purpose is hereby granted without fee, provided that the above copyright notice and this notice appears in all copies, and that the name of Hewlett-Packard Company not be

used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Hewlett-Packard Company makes no representations about the suitability of this software for any purpose.

(25) Henry Spencer (only *-linux targets)

Copyright 1992, 1993, 1994 Henry Spencer. All rights reserved.
This software is not subject to any license of the American Telephone and Telegraph Company or of the Regents of the University of California.

Permission is granted to anyone to use this software for any purpose on any computer system, and to alter it and redistribute it, subject to the following restrictions:

1. The author is not responsible for the consequences of use of this software, no matter how awful, even if they arise from flaws in it.
2. The origin of this software must not be misrepresented, either by explicit claim or by omission. Since few users ever read sources, credits must appear in the documentation.
3. Altered versions must be plainly marked as such, and must not be misrepresented as being the original software. Since few users ever read sources, credits must appear in the documentation.
4. This notice may not be removed or altered.

(26) Mike Barcroft

Copyright (c) 2001 Mike Barcroft <mike@FreeBSD.org>
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(27) Konstantin Chuguev (--enable-newlib-iconv)

Copyright (c) 1999, 2000
Konstantin Chuguev. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

iconv (Charset Conversion Library) v2.0

(28) Artem Bityuckiy (--enable-newlib-iconv)

Copyright (c) 2003, Artem B. Bityuckiy, SoftMine Corporation.
Rights transferred to Franklin Electronic Publishers.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(29) IBM, Sony, Toshiba (only spu-* targets)

(C) Copyright 2001,2006,
International Business Machines Corporation,
Sony Computer Entertainment, Incorporated,
Toshiba Corporation,

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the names of the copyright holders nor the names of their contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(30) - Alex Tatmanjants (targets using libc/posix)

Copyright (c) 1995 Alex Tatmanjants <alex@elvisti.kiev.ua>
at Electronni Visti IA, Kiev, Ukraine.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(31) - M. Warner Losh (targets using libc/posix)

Copyright (c) 1998, M. Warner Losh <imp@freebsd.org>
All rights reserved.

Redistribution and use in source and binary forms, with or without

modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(32) - Andrey A. Chernov (targets using libc/posix)

Copyright (C) 1996 by Andrey A. Chernov, Moscow, Russia.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(33) - Daniel Eischen (targets using libc/posix)

Copyright (c) 2001 Daniel Eischen <deischen@FreeBSD.org>.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the

documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(34) - Jon Beniston (only lm32-* targets)

Contributed by Jon Beniston <jon@beniston.com>

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(35) - ARM Ltd (arm and thumb variant targets only)

Copyright (c) 2009 ARM Ltd
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the company may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY ARM LTD ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL ARM LTD BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(36) - Xilinx, Inc. (microblaze-* and powerpc-* targets)

Copyright (c) 2004, 2009 Xilinx, Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of Xilinx nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDER AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(37) Texas Instruments Incorporated (tic6x-* targets)

Copyright (c) 1996-2010 Texas Instruments Incorporated
<http://www.ti.com/>

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the

distribution.

Neither the name of Texas Instruments Incorporated nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(38) National Semiconductor (cr16-* and crx-* targets)

Copyright (c) 2004 National Semiconductor Corporation

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

(39) - Adapteva, Inc. (epiphany-* targets)

Copyright (c) 2011, Adapteva, Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of Adapteva nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE

OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(40) - Altera Corporation (nios2-* targets)

Copyright (c) 2003 Altera Corporation
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- o Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- o Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- o Neither the name of Altera Corporation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY ALTERA CORPORATION, THE COPYRIGHT HOLDER, AND ITS CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(41) Ed Schouten - Free BSD

Copyright (c) 2008 Ed Schouten <ed@FreeBSD.org>
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright 2006-2015 Paul A. Bristow
Copyright 2014-2015 Samuel Debionne Grenoble France
Copyright 2000-2001 Stephen Cleary rem rem Distributed
Copyright 2008 Federico J. Fernandez
Copyright 2010-2015 Edward Diener
Copyright 1999, 2001 Nicolai M. Josuttis
Copyright 2006-2015 Steven Watanabe
Copyright 2007 Andreas Kloeckner
Copyright 2003 Jeremy Siek Authors Lie-Quan Lee Jeremy Siek and Douglas Gregor
Copyright 2002-2004 Thomas Witt
Copyright 2004 Aaron W. LaFramboise Roland Schwarz Michael Glassford
Copyright 2008 Rep Invariant Systems Inc. (info@repinvariant.com)
Copyright 2013 Rene Rivera Distributed
Copyright 2010, 2014 Athanasios Iliopoulos
Copyright 2001, 2004 Jeremy Siek <jsiek@cs.indiana.edu> Distributed
Copyright 1994 Hewlett-Packard Co
Copyright 2009-2014 Neil Groves. Distributed
Copyright 2007 Alexandre Courpron
Copyright 2002 Rensselaer Polytechnic Institute
Copyright 2007 Timmo Stange
Copyright 2011 Paul A. Bristow comments Distributed
Copyright 1999-2001 Beman Dawes David Abrahams
Copyright 2003 Sam Nabialek
Copyright 2009 Eric Bose-Wolf
Copyright 2011 Takaya Saito
Copyright 2001-2003 Toon Knapen
Copyright 2010 Eric Jourdanneau Joel Falcou
Copyright 2009-2015 Mario Mulansky
Copyright 2009-2010 Mathias Gaunard
Copyright 2013 Andreas Hehn <hehn@phys.ethz.ch> ETH Zurich
Copyright 2009 Trustees of Indiana University Authors Jeremiah J. Willcock Andrew Lumsdaine
Copyright 2013 Joaquim Duran
Copyright 2003, 2009 Pavel Baranov
Copyright 2010 Dean Michael Berris Distributed
Copyright 2005 Daniel Egloff. Distributed
Copyright 2010 Thomas Claveirole
Copyright 2005 John Maddock & Thorsten Ottosen
Copyright 2015 Bruno Dutra
Copyright 2007 David Deakins
Copyright 2006-2008 Johan Rade
Copyright 2002-2004, 2006, 2009 Vladimir Prus
Copyright 2008 Author Matyas W Egyhazy
Copyright 2011 Beman Dawes. nbsp;
Copyright 2002 Raghavendra Satish
Copyright 2002-2003 Juan Carlos Arevalo-Baeza
Copyright 2012 Lee Hodgkinson
Copyright 2010 Dean Michael Berris. <mikhailberis@gmail.com> Instead of using std tmpnam we
Copyright 2008, 2010 Gunter Winkler <guwi17@gmx.de>

Copyright 2006 Eric Niebler Olivier Gygi. Distributed
Copyright 2012 IBM Corp
Copyright 2001 Dave Abrahams and Daryle Walker
Copyright 2013 Nakhar Agrawal
Copyright 2009 Trustees of Indiana University Authors Jeremiah Willcock Andrew Lumsdaine
Copyright 2010 Thomas Heller For the example
Copyright 2008 Gennaro Prota Distributed
Copyright 2002 Jeff Garland and Beman Dawes
Copyright 2008-2009 Ben Hanson os
Copyright 2009-2012 David Abrahams Vicente Botet Ion Gaztanaga
Copyright 2009 Dmitry Bufistov Andrew Sutton
Copyright 2009 Dustin Spicuzza
Copyright 2000 John Maddock and Steve Cleary
Copyright 2006-2007, 2011, 2013-2014 Paul Bristow
Copyright 2004 Cromwell D. Enage
Copyright 2002-2012 Paul Menssonides
Copyright 1997-2001 University of Notre Dame. Author Jeremy G. Siek
Copyright 2004-2014 boost
Copyright 2012 Christoph Koke
Copyright 2001-2012 Hartmut Kaiser Distributed
Copyright 2007-2012 John Maddock & Paul A. Bristow
Copyright 2001-2009, 2014 Steven J. Ross
Copyright 2005-2007 Matthew Calabrese
Copyright 2001 Daniel C. Nuffer
Copyright 2015 Nuxi <https://nuxi.nl>
Copyright 2012 ohn Maddock
Copyright 2013 Ruslan Baratov
Copyright 2002, 2004 Pavel Vozenilek
Copyright 2002 Aleksey Gurtovoy (agurtovoy@meta-comm.com)
Copyright 2005 Redshift Software Inc
Copyright 2004 Bertolt Mildner
Copyright 2014-2015 Boris Rasin and Antony Polukhin
Copyright 2006-2007 notice to include the year
Copyright 2000 Keld Helsgaun
Copyright 2005 Voipster Indrek dot Juhani at voipster dot com
Copyright 2003 Giovanni Bajo
Copyright 2007 David Gleich
Copyright 2005 Stefan Arentz
Copyright 2005, 2007-2008 Aaron Windsor
Copyright 2006 Alisdair Meredith
Copyright 2009-2015 Karsten Ahnert
Copyright 2013 Nikhar Agrawal
Copyright 2001 Andrei Alexandrescu. Distributed
Copyright 1999-2003 Jaakko Jarvi (jaakko.jarvi@cs.utu.fi)
Copyright 2009 Trustees of Indiana University Author Jeremiah Willcock
Copyright 2009 Tor Brede Vekterli
Copyright 2010 Matthias Walter (xammy@xammy.homelinux.net)
Copyright 2010 Gevorg Voskanyan
Copyright 2001-2003 Dan Nuffer
Copyright 2004-2012 Eric Niebler. Distributed
Copyright 2000-2006 Jeremy Siek David Abrahams
Copyright 1999-2001 Jaakko Jarvi (jaakko.jarvi@cs.utu.fi) Gary Powell (gwpowell@hotmail.com)
Copyright 2003 Roland Richter
Copyright 2003 Synge Todo
Copyright 2010 Niels Dekker
Copyright 2010 Gordon Woodhull modified from MSMv2
Copyright 2014 Ian Forbed
Copyright 2013 Agustn Berg

Copyright 2014 Christopher Kormanyos
Copyright 2015 Edward Nevill
Copyright 2009, 2013 Sebastian Redl Distributed
Copyright 2002 Ronald Garcia
Copyright 2003 Jaap Suter
Copyright 2009-2011, 2014-2015 LRI UMR
Copyright 2014 Boris Rasin Antony Polukhin
Copyright 2005, 2010 Daniel Wallin David Abrahams
Copyright 2011 Matthias Born
Copyright 2002-2009 Vladimir Prus Robert Ramey and Takatoshi Kondo
Copyright 2009-2011 Gunter Winkler David Bellot
Copyright 1998-1999 Greg Colvin and Beman Dawes
Copyright 2005-2008 Matthias Troyer
Copyright 2001-2008, 2010 Douglas Gregor
Copyright 2002 Darin Adler. Distributed
Copyright 2010 W.P. McNeill
Copyright 2015 Charly Chevalier
Copyright 2003 Institute of Transport Railway Construction and Operation University of Hanover Germany
Copyright 2013 Evgeny Panasyuk
Copyright 2014 Glen Fernandes
Copyright 2001 Jens Mauer
Copyright 2008-2011 Joachim Faulhaber Distributed
Copyright 2004-2012, 2014 Eric Niebler
Copyright 2015 Michael Caisse ciere.com
Copyright 2015 Gregor de Cillia
Copyright 1994-2015 Beman Dawes
Copyright 2013 Nat Goodspeed
Copyright 2009 Dean Michael Berris <me@deanberris.com>
Copyright 2004 Ralf Mattethat
Copyright 2000-2013 Joerg Walter Mathias Koch Athanasios Iliopoulos
Copyright 2005 Pablo Aguilar
Copyright 2002-2009 Daniel Frey
Copyright 1999-2006 Cortex Software GmbH Kantstrasse
Copyright 2008-2015 Marshall Clow
Copyright Microsoft Corporation. All rights reserved.
Copyright 2010 Larry Evans
Copyright 2004 Brian Ravnsgaard Riis license Boost Software License
Copyright 2002-2003 Herv Brnnimann Guillaume Melquiond Sylvain Pion
Copyright 2009-2012 Lorenzo Caminiti Distributed
Copyright 2008-2012 Simonson Lucanus
Copyright 2013 Krzysztof Czainski
Copyright 2009 Trustees of Indiana University. Authors Michael Hansen
Copyright 2013 Alex Korobka
Copyright 1998-2005 Joel de Guzman Hartmut Kaiser
Copyright 2009-2011 Christopher Schmidt
Copyright 1986 International Organization for Standardization
Copyright 2010 Georg Fritzsche
Copyright 2003-2004, 2007-2010, 2012, 2014 Howard Hinnant
Copyright 2014 Lee Clagett
Copyright 2009 David Abrahams Vicente Botet
Copyright 2011 Paul A. Bristow comments
Copyright 2009 Trustees of Indiana University. Authors Michael Hansen Andrew Lumsdaine
Copyright 2002 R.W. Grosse-Kunstleve
Copyright 2000-2003 Dave Abrahams Steve Cleary Beman Dawes Howard Hinnant & John Maddock
Copyright 2001 Eric Ford & Hubert Holin
Copyright 2015 Mario Lang
Copyright 2012, 2014 Pieter Bastiaan Ober
Copyright 2006 David Abrahams Jeremy Siek Vladimir Prus

Copyright 2010 Head Geek
Copyright 2005 David Abrahams and Aleksey Gurtovoy. Distributed
Copyright 2010-2011 Michael Caisse
Copyright 2004, 2006 Michael Stevens
Copyright 2002 Peter Dimov and David Abrahams
Copyright 2000-2013 Joerg Walter Mathias Koch. David Bellot
Copyright 2006-2010, 2012 Juergen Hunold
Copyright 2000 Cadenza New Zealand Ltd Distributed
Copyright 2011-2013 Mario Mulansky Distributed
Copyright (C) 2008 2009 Tim Blechmann based on code by Cory Nelson
Copyright 2005-2006 Daniel Egloff Olivier Gygi. Distributed
Copyright 2000 Gavin Collings
Copyright 2006 Alexander Nasonov & Paul A. Bristow
Copyright 2004-2007, 2010 Peder Holt
Copyright 2002-2010, 2012 The Trustees of Indiana University
Copyright 2011 Paul A. Bristow Inc Boost.Math
Copyright 2007 Nikolay Mladenov
Copyright 2002 Indiana University
Copyright 2008 Gautam Sewani
Copyright 2005-2006 Danny Havenith
Copyright 2006 Eric Niebler Olivier Gygi
Copyright 2013 Cromwell D. Enage Distributed
Copyright 2001 Indiana University Author Jeremy G. Siek
Copyright 2005 Jeremy G. Siek Authors Jeremy G. Siek
Copyright 2001-2002 Python Software Foundation
Copyright 2010 Just Software Solutions Ltd
Copyright 2008 David Jenkins. Distributed
Copyright 1999, 2001 Boost.org
Copyright 2002-2003 Eric Friedman
Copyright 2001 Samuel Krempp krempp@crans.ens-cachan.fr Distributed
Copyright 2001 University of Notre Dame. Authors Jeremy G. Siek and Lie-Quan Lee
Copyright 2011 ACM
Copyright 2012 Google Inc
Copyright 2013 University of Warsaw. Authors Piotr Wygocki
Copyright 2001-2002 Joel de Guzman MT code
Copyright 2003 Jonathan de Halleux
Copyright 2015 Kohei Takahshi
Copyright 2013 Tim Blechmann Linux-specific code by Phil Endecott
Copyright 2008, 2010-2011 Christophe Henry
Copyright 2007 Christoper Kohlhoff
Copyright 2005 Matthias Troyer and Dave Abrahams
Copyright 2009-2014 Vladimir Batov
Copyright 2004 Stefan Slapeta
Copyright 2001 Eric Ford
Copyright Adam Wulkiewicz 2015
Copyright 2012 Michele Caini
Copyright 2002-2006 Kiyoshi Matsui <kmatsui@t3.rim.or.jp>
Copyright 2012-2013 Martin Husemann
Copyright 2004-2006 Olaf Krzikalla
Copyright 2006 Olivier Gygi Daniel Egloff. Distributed
Copyright 2000-2007 CrystalClear Software Inc
Copyright 2007-2008 CodeRage LLC Author Jonathan Turkanis Contact turkanis at coderage dot com
Copyright 2008-2010 Gordon Woodhull
Copyright 2006 Boris Gubenko. HP-UX has
Copyright 2010, 2012-2015 Vicente Botet
Copyright 2011-2012 Brandon Kohn
Copyright 2012 Fernando Vilas
Copyright 2012 Boris Schaeling Distributed

Copyright 2006 Stephan Diederich
Copyright 2000 Dave Abrahams Steve Cleary Beman Dawes Aleksey Gurtovoy Howard Hinnant & John Maddock
Copyright 2010 Dean Michael Berris
Copyright 2005 troy
Copyright 2007-2010 Frank Mori Hess
Copyright 2002-2010 Andreas Huber Doenni Distributed
Copyright 2011 Paul A. Bristow - filename changes for boost-trunk
Copyright 1991-2009 Unicode Inc
Copyright 2010 Dean Michael Berris. Instead of using the potentially dangrous tempnam function that's part of the C standard library on Unix Linux we
Copyright 2003-2004 Neil Groves & Thorsten Ottosen & Pavol Droba
Copyright 2011 Paul Heil
Copyright 2009 ArtVPS Ltd
Copyright 2007 Paul
Copyright 2009 Pablo Halpern
Copyright 2009 Matthias Vallentin
Copyright 2001-2013 Hartmut Kaiser
Copyright 2014-2015 Steven Ross Distributed
Copyright 2005 Terje Sletteb and Kevlin Henney
Copyright 2007 Baruch Zilber
Copyright 1999-2004, 2006 Jeremy Siek
Copyright 2012-2014 Glen Joseph Fernandes glenfe at live dot com
Copyright 2014-2015, 2024 John Fletcher
Copyright 2015 Mario Mulansky <mario.mulansky@gmx.net>
Copyright 2002-2008 Robert Ramey and Joaquin M Lopez Munoz
Copyright 2003 David Abrahams and Nikolay Mladenov
Copyright 2013 Thomas Sailer
Copyright 2004 Kristopher Beevers
Copyright 2004 Vyacheslav E. Andrejev
Copyright 2008-2013 Tim Blechmann
Copyright 2004 Trustees of Indiana University Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek Douglas Gregor
Copyright 2011 Joerg Becker
Copyright 2007 Matthias Troyer <troyer@boost-consulting.com>
Copyright 1997-2001 University of Notre Dame. Authors Lie-Quan Lee
Copyright 2006 Ralf W. Grosse-Kunstleve & David Abrahams
Copyright 2001 Ronald Garcia Indiana University (garcia@osl.iu.edu)
Copyright 2000 Maarten Keijzer
Copyright 2008 Jorge Lodos
Copyright 2001-2007 Hartmut Kaiser Revised
Copyright 1995 Maarten Hilferink Amsterdam the Netherlands
Copyright 2013 Paul A. Bristow. Added some Quickbook snippet markers
Copyright 2000-2015 Peter Dimov
Copyright 2008 Runar Undheim Robert Ramey & John Maddock
Copyright 2000 Mark Rodgers
Copyright 1999 Netscape Communications
Copyright 2001 Stephen Silver
Copyright 1998-2015 Joel de Guzman
Copyright 2009, 2014-2015 Oliver Kowalke
Copyright 2013 Andrey Semashev. Distributed
Copyright 2003-2005 Thorsten Ottosen & Larry Evans
Copyright 2013 Bjorn Roald
Copyright 1992-1996, 1998-2006 Free Software Foundation Inc
Copyright 1999 Beman Dawes and Daryle Walker
Copyright 2003-2015 Christopher M. Kohlhoff
Copyright 2002 John Maddock and Dave Abrahams
Copyright 1997, 2009, 2014 Microsoft Corp
Copyright 2010 Carl Philipp Reh
Copyright 1998-2015 John Maddock

Copyright 2014 Christoph Weiss
Copyright 2003-2015 Joaquin M Lopez Muoz. Distributed
Copyright 2010 Nuovation System Designs LLC Grant Erickson <gerickson@nuovations.com>
Copyright 2003 Rational Discovery LLC Distributed
Copyright 2003-2009 Matthias Christian Schabel
Copyright 2001-2004 Peter Dimov and Multi Media Ltd
Copyright 2007-2012 Joachim Faulhaber
Copyright 2013-2015 Oracle and or its affiliates
Copyright 2002 William E. Kempf Distributed
Copyright 2008 Bruno Lalande
Copyright 2012, 2015 Agustin K-ballo Berge
Copyright 2003-2011, 2014 LASMEA UMR
Copyright 2004 Michael Glassford
Copyright 2007 Stanford University Authors David Gleich
Copyright 2014 Marco Guazzone (marco.guazzone@gmail.com)
Copyright 2001 Bruce Florman
Copyright 2000-2006, 2012-2013 Daryle Walker
Copyright 1999-2003 Jaakko Jarvi
Copyright 2009 Phil Endecott
Copyright 1999-2010 Aleksey Gurtovoy
Copyright 2000, 2002 Gary Powell (gwpowell@hotmail.com)
Copyright 2011 Boris Schaeling (boris@highscore.de)
Copyright 2008, 2010 Gunter Winkler <guwi17@gmx.de> Distributed
Copyright 2009-2010 Datasim Education BV
Copyright 2004 Jonathan Graehl
Copyright 1997-2000 Metrowerks Corp
(C) 2011-2013 Andrew Hundt <ATHundt@gmail.com>
Copyright 2006-2008 Anthony Williams Distributed
Copyright 2006 Thorsten Ottosen. Distributed
Copyright 2006 Matthias Troyerk
Copyright 2006 Tomas Puverle
Copyright 2007-2008 Vladimir Prus David Abrahams Michael Stevens Hartmut Kaiser Ion Gaztanaga
Copyright 2010 Josh Wilson
Copyright 2009-2012 Vicente J.Botet Escriba
Copyright 2004, 2009-2010 Chris Hoeppler
Copyright 2004-2011 Michael Stevens David Bellot
Copyright 2003 Vaclav Vesely
Copyright 2002-2003 Herv Brnnimann
Copyright 2001-2002 Daryle Walker and Stephen Cleary
Copyright 2010-2011 Barend Gehrels
Copyright 2013 Paul A. Bristow Doxygen comments changed
Copyright 1997-2000 University of Notre Dame. Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek Doug Gregor D. Kevin McGrath
Copyright 2003 Gunter Winkler Joerg Walter
Copyright 2000 Steve Cleary Beman Dawes Howard Hinnant and John Maddock
Copyright 2013 Cray Inc
Copyright 2003-2009 Jan Gaspar
Copyright 2009-2015 Artyom Beilis
Copyright 2004-2015 Ion Gaztanaga
Copyright 2001-2007 Joel de Guzman Dan Marsden Tobias Schwinger
Copyright 2001 Vladimir Prus <ghost@cs.msu.su> Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek Douglas Gregor
Copyright 2000 David Abrahams. Distributed
Copyright 2014-2015 NumScale SAS
Copyright 2004 Douglas Gregor and Jeremy Siek
Copyright 2001-2007 Hartmut Kaiser --
Copyright 2014 Renato Tegon Forti Antony Polukhin
Copyright 2004 The Trustees of Indiana University Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek
Copyright 2008, 2010 Intel Corp

Copyright 2000-2005 Kevlin Henney
Copyright 2002 Brad King (brad.king@kitware.com) Douglas Gregor (gregod@cs.rpi.edu)
Copyright 2002-2005, 2014-2015 Peter Dimov. Distributed
Copyright 2010 Sergey GooRoo Olendarenko
Copyright 2013 Alberto Santini Author Alberto Santini <alberto@santini.in>
Copyright 2002-2003 Guillaume Melquiond Sylvain Pion
Copyright 2011-2012 Vicente J. Botet Escriba. Distributed
Copyright 2003 Dan Watkins
Copyright 2008 CodeRage LLC
Copyright 2009, 2013 Carl Barron
Copyright 2012 yyyy yyyy <typhoonking77@hotmail.com>
Copyright 2007 CodeRage Author Jonathan Turkanis
Copyright 2014-2015 Glen Joseph Fernandes
Copyright 2009 Edward Grace
Copyright 2000-2005 Steve Cleary Beman Dawes Howard Hinnant & John Maddock
Copyright 2009 Yuriy Krasnoschek
Copyright 2009 Daniel Frey and Robert Ramey
Copyright 2001 Vladimir Prus <ghost@cs.msu.su>
Copyright 2011 Simon West. Distributed
Copyright 2006-2011 Andy Tompkins
Copyright 2011 Jan Frederick Eick
Copyright 2008 Lubomir Bourdev and Hailin Jin
Copyright 2007-2008 Steven Watanabe Joseph Gauterin Niels Dekker
Copyright 2005 Trustees of Indiana University Authors Andrew Lumsdaine Douglas Gregor
Copyright 2002-2004, 2006 Ralf W. Grosse-Kunstleve
Copyright 2002 Andrei Alexandrescu
Copyright 2010-2011 David Bellot
Copyright 2005-2007 Stefan Seefeld
Copyright 2011-2013 Andrew Hundt
Copyright 2005 Henry S. Warren
Copyright 2003, 2006-2007 Daniel Walker
Copyright 2010 Paul A. Bristow added Doxygen comments
Copyright 2008-2010 Joseph Gauterin Niels Dekker
Copyright 2012 K R Walker
Copyright 3350, 3600, 3799, 6974 issues References <379990.36007.qm@web33507.mail.mud.yahoo.com>
Copyright 2004-2010 Alexander Nasonov
Copyright 2005-2012 Anthony Williams
Copyright 2008-2013, 2015 Vicente J. Botet Escriba Distributed
Copyright 2013 Antony Polukhin Move semantics implementation
Copyright 2014 Erik Erlandson
Copyright 2013-2014 Agustin Berge
Copyright 2010-2012, 2014-2015 Andrii Sydoruk
Copyright 2002, 2004 Herve Bronnimann
Copyright 2006 Michael van der Westhuizen
Copyright 1999 Kevlin Henney and Dave Abrahams
Copyright 2005 Igor Chesnokov mailto:ichesnokov@gmail.com
Copyright 2004 Joe Coder. Distributed
Copyright 2011 Kwan Ting Chan
Copyright 2011-2012 Nathan Ridge
Copyright 2012-2014 Glen Fernandes. Distributed
Copyright 2001 Housemarque Oy
Copyright 2013 Kyle Lutz
Copyright 2005-2006, 2009 Alexander Nasonov. Distributed
Copyright 2013-2015 Boost.Test team
Copyright 2013 Paul A. Bristow Doxygen comments changed for new
Copyright 2005 to
Copyright 2003 Bruce Barr Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek
Copyright 2015 Ion Gaztanaga. Distributed

Copyright 2010 Igor R
Copyright 2009-2012, 2014 Marco Guazzone
Copyright 1997-2001 University of Notre Dame. Authors Jeremy G. Siek Lie-Quan Lee Andrew Lumsdaine
Copyright 2014 MetaScale SAS
Copyright 2008-2012 Daniel Walker Eric Niebler Michel Morin
Copyright 2009-2011 Helge Bahmann
Copyright 2004 Douglas Gregor and Jeremy Siek Distributed
Copyright 2010 Olaf Peter
Copyright 2010-2012 Thomas Mang
Copyright 2006 Stephen Nutt
Copyright 2009 Pablo Halpern. Distributed under the Boost Software License Version
Copyright 2002 Martin Ecker
Copyright 2005 Vladimur Prus
Copyright 2005 David Abrahams Matthias Troyer Michael Gauckler
Copyright 2003, 2006 Gottfried Ganauge
Copyright 2010-2013 Thomas Heller
Copyright 2001 Doug Gregor
Copyright 2013 Alain Miniussi <alain.miniussi@oca.eu>
Copyright 2005-2011 Daniel James
Copyright 2013 Pascal Germroth
Copyright 2003 Giovanni Bajo Copyrigh
Copyright 2012 Oswin Krause
Copyright 2000 John Maddock (john@johnmaddock.co.uk)
Copyright 2005 Sergey Shandar
Copyright 2010, 2012 Christopher Schmidt Nathan Ridge
Copyright 2003-2007 Jonathan Turkanis Distributed
Copyright 2002-2004 Martin Wille
Copyright 2013 Paul A. Bristow additions for more colors and alignments
Copyright 1997-2001 University of Notre Dame. Authors Jeremy G. Siek Andrew Lumsdaine Lie-Quan Lee
Copyright 2001, 2015 Raffi Enficiaud
Copyright 2003 Rational Discovery LLC
Copyright 2009-2011 Steven Watanabe Distributed
Copyright 2010 Thomas Claveirole Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek Thomas Claveirole
Copyright 2002-2003 David Moore William E. Kempf
Copyright 2002 Marc Wintermantel (wintermantel@imes.mavt.ethz.ch) ETH Zurich Center of Structure Technologies
Copyright 2008 Gunter Winkler <guwi17@gmx.de> Thanks to Tiago Requeijo for providing
Copyright 2004-2006 Arkadiy Vertleyb
Copyright 1999-2001 Paul Moore
Copyright 2001 Ronald Garcia Indiana University (garcia@osl.iu.edu) Andrew Lumsdaine Indiana University (lums@osl.iu.edu).
Distributed
Copyright 2010 Ilya Murav'jov
Copyright 2012 David Bailey
Copyright 2010 Ignacy Gawedzki
Copyright 2001 Ronald Garcia Indiana University (garcia@osl.iu.edu) Andrew Lumsdaine Indiana University (lums@osl.iu.edu)
Copyright 2002, 2004-2009, 2012 Trustees of Indiana University
Copyright 2006 Marcin Kalicinski Distributed
Copyright 2009-2010, 2013, 2015 Sebastian Redl
Copyright 2001, 2006 John Maddock
Copyright 2001-2003 Mac Murrett
Copyright 2007-2015 Barend Gehrels Amsterdam the Netherlands
Copyright 2013 Andreas Pokorny
Copyright 2010-2011 Jeroen Habraken
Copyright 2001-2002 Hubert Holin and Daryle Walker
Copyright 2012 David Stone
Copyright 2004-2009 Robert Ramey Martin Ecker and Takatoshi Kondo
Copyright 2001-2002 Jeremy Siek and John R. Bandela
Copyright 2013 Petr Machata Red Hat Inc
Copyright 2009 Jesse Williamson

Copyright 2011 Garmin Ltd. or its subsidiaries
Copyright 2012 Duncan Exon Smith
Copyright 2005 Ion Gaztaaga
Copyright 2001 Francois Faure
Copyright 2014 iamvfx@gmail.com
Copyright 2011 Robert Nelson
Copyright 2009 Eric Moyer -
Copyright 2010 Neil Groves Distributed
Copyright 2000-2001 Gary Powell (gary.powell@sierra.com)
Copyright 2002-2004 David Abrahams and Aleksey Gurtovoy
Copyright 2012-2015 Louis Dionne
Copyright 2002-2006 Pavol Droba
Copyright 2012-2015 Kohei Takahashi
Copyright 2011-2015 Akira Takahashi
Copyright 2009 Jean-Francois Ostiguy
Copyright 2012-2013 Rajeev Singh
Copyright 2013 Andrey
Copyright 2007-2008 Anthony Williams ifndef THREAD
Copyright 2005-2007 Douglas Gregor <doug.gregor@gmail.com>
Copyright 1996 Ronald Van Iwaarden
Copyright 2012 Benjamin Sobotta
Copyright 2009 Nasos Iliopoulos Gunter Winkler
Copyright 2006-2007, 2009-2010 Andy Tompkins. Distributed
Copyright 2000-2003, 2006 Jens Maurer
Copyright 2013 John Maddock Antony Polukhin
Copyright 2003 Jonathan de Halleux (dehalleux@pelikhan.com)
Copyright 2012 Paul A. Bristow with new tests
Copyright 2007-2010 Andrew Sutton
Copyright 2014 Kohei Takahashi Distributed
Copyright 2013 John Maddock Distributed
Copyright 2005 Jong Soo Park
Copyright 2004 Rani Sharoni Robert Ramey Pavel Vozenilek and Christoph Ludwig
Copyright 2011 Laurent Gomila
Copyright 2011 Roji Philip
Copyright 2001-2003 Douglas Gregor (gregod@cs.rpi.edu)
Copyright 2013-2014 Damien Buhl
Copyright 2008 Michael Marcin
Copyright 2004 Robert Ramey Indiana University (garcia@osl.iu.edu) Andrew Lumsdaine Indiana University (lums@osl.iu.edu)
Copyright 2008, 2014 Thijs van den Berg
Copyright 2004-2007 Daniel Wallin
Copyright 2014 Glen Fernandes C
Copyright 1999-2003 Boris Fomitchev
Copyright 2014 Jessica Hamilton
Copyright 2000 Jeremy Siek and Andrew Lumsdaine
Copyright 2010 Eric Jourdanneau Joel Falcou Distributed
Copyright 2012 Leo Goodstadt
Copyright 2012 Authors David Doria
Copyright 1999, 2001-2003 Dave Abrahams
Copyright 2004 Jonathan Brandmeyer
Copyright 2002 Rani Sharoni (rani_sharoni@hotmail.com) and Robert Ramey
Copyright 2011, 2013-2014 Jamboree
Copyright 2004 Angus Leeming
Copyright 2006 Xiaogang Zhang
Copyright 2002-2003 Beman Dawes Boost.Filesystem Distributed
Copyright 2001 Francois Faure iMAGIS-GRAVIR UJF
Copyright 2005 Christopher Diggins
Copyright 2008 N. Musatti
Copyright 2001-2009 Daniel Nuffer

Copyright 2002 Robert Ramey-
Copyright 1996-1999 Silicon Graphics Computer Systems Inc
Copyright 2012 Benjamin Schindler
Copyright 2007 Douglas Gregor and Matthias Troyer
Copyright 2006 Trustees of Indiana University Authors Jeremy G. Siek and Douglas Gregor <dgregor@cs.indiana.edu>
Copyright 2001 Gennadiy Rozental & Ullrich Koethe
Copyright 2001 Jeremy Siek Douglas Gregor Brian Osman
Copyright 2007 Noel Belcourt
Copyright 2001 Dietmar Kuehl
Copyright 2005-2006 Shunsuke Sogame
Copyright 2005-2006, 2008-2015 Rene Rivera
Copyright 2003 Pavel Vozenilek and Robert Ramey -
Copyright 2010 Peter Schueller
Copyright 2006 Piotr Wyderski
Copyright 2002 Craig Henderson
Copyright 1997 Moscow Center for SPARC Technology
Copyright 2002 Indiana University. Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek
Copyright 2001-2012, 2014 Thomas Bernard
Copyright 2002 Brad King and Douglas Gregor
Copyright 20142014 Matei David
Copyright 2014 Marco Guazzone (marco.guazzone@gmail.com) Distributed
Copyright 2005-2006 Michael Drexl
Copyright 2003-2007 Jonathan Turkanis
Copyright 2000-2002 David Abrahams Steve Cleary Beman Dawes Howard Hinnant & John Maddock
Copyright 2014 Ben Pope
Copyright 2007, 2011-2015 John Maddock. Distributed
Copyright 2003 Peter Dimov Distributed
Copyright 2002-2004, 2007-2010 Robert Ramey
Copyright 2009-2010 Tim Blechmann Distributed
Copyright 2009 Troy D. Straszheim
Copyright 2005 Eric Niebler Daniel Egloff. Distributed
Copyright 2005 Daniel Egloff Eric Niebler
Copyright 2003-2004 Jeremy B. Maitin-Shepard
Copyright 2002, 2007, 2014 Peter Dimov.
Copyright 2008-2010 Gordon Woodhull Distributed
Copyright 2008-2010, 2012 Paul A. Bristow John Maddock
Copyright 2008 Roelof Naude
Copyright 2011 Francois Mauger
Copyright 2001 Indiana University. Author Jeremy G. Siek
Copyright 2012 Lucanus Simonson
Copyright 2003 Rational Discovery LLC. Distributed
Copyright 1999-2003 Dave Abrahams and Daniel Walker
Copyright 2009 Spirent Communications Inc
Copyright 2002-2006 Gennaro Prota
Copyright 2005-2011 Daniel James Distributed
Copyright 2007-2008 Joseph Gauterin
Copyright 2002 Ronald Garcia Jeremy Siek
Copyright 2013 Niall Douglas additions for colors and alignment
Copyright 2012 Adam D. Walling
Copyright 2000-2002 John R. Bandela
Copyright 2003 David Abrahams and Jeremy Siek
Copyright 1999-2004 Jeremiah Willcock
Copyright 2005 Peter Dimov For Boost Phoenix
Copyright 2004 Robert Ramey and Martin Ecker
Copyright 2013 Ankur Sinha
Copyright 2009-2015 Adam Wulkiewicz Lodz Poland
Copyright 2011 Thomas Heller Distributed
Copyright 2009 Trustees of Indiana University. Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek Michael Hansen

Copyright 1997-2001 University of Notre Dame
Copyright 2001-2002 Jeremy G. Siek Andrew Lumsdaine Lie-Quan Lee
Copyright 2013 Maciej Piechotka Authors Maciej Piechotka
Copyright 2011 Paul A. Bristow To incorporate into Boost.Math
Copyright 2002 Brad King (brad.king@kitware.com)
Copyright 2005 Felix Hfling Guillaume Melquiond
Copyright 2000-2008 Fernando Luis Cacciola Carballal
Copyright 2008 Peter Kankowski
Copyright 2011 Christopher Jefferson
Copyright 2005-2008 Adobe Systems Inc
Copyright 2012-2013 Andreas Angelopoulos
Copyright 2013 Christopher Brown
Copyright 2006 David Abrahams -
Copyright 2002 Marc Wintermantel (wintermantel@even-ag.ch) ETH Zurich Center of Structure Technologies
Copyright 2001 Universite Joseph Fourier Grenoble. Author Francois Faure
Copyright 2003 Gustavo Guerra
Copyright 2001 Lie-Quan Lee
Copyright 2009-2014 Steven Ross
Copyright 2006 Trustees of Indiana University Authors Douglas Gregor and Jeremy Siek
Copyright 2002-2005 Andreas Huber Doenni
Copyright 2003-2014 Neil Groves
Copyright 2003, 2005-2006 David Abrahams Daniel Wallin
Copyright 2009-2015 Mateusz Loskot London UK
Copyright 2009 Brian Ravnsgaard and Kenneth Riddile
Copyright 2001, 2003 Samuel Kremp
Copyright 2000-2003 Gary Powell (powellg@amazon.com)
Copyright 2003 Thomas Becker
Copyright 2005 Daniel K. O
Copyright 2009-2011 Frederic Bron
Copyright 2014-2015 John Fletcher Distributed
Copyright 2006-2007 Matias Capeletto
Copyright 2013 Paul Bristow Distributed
Copyright 2007, 2015 John Maddock and Paul A. Bristow. Distributed
Copyright 2009 Arno Schoedl & Neil Groves
Copyright 2001 Mat Marcus Jesse Jones and Adobe Systems Inc
Copyright 2000, 2010 Dave Abrahams Steve Cleary Beman Dawes Howard Hinnant and John Maddock
Copyright 2012 Philipp Moeller
Copyright 2006-2013 Emil Dotchevski and Reverb Studios Inc
Copyright 2004-2005 Trustees of Indiana University Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek Doug Gregor D. Kevin McGrath
Copyright 2003 Christof Meerwald
Copyright 2001-2002 Daryle Walker and Paul Moore
Copyright 2014 Franz Detto
Copyright 2000 Cadenza New Zealand Ltd
Copyright 2005-2014 Daniel James. Distributed
Copyright 2012 Phil Endecott Distributed
Copyright 2007-2008 David Jenkins
Copyright 2011 Dean Michael Berries
Copyright 2009 Sascha Ochseneck
Copyright 2008, 2010-2011 Christophe Henry henry UNDERSCORE christophe AT hotmail DOT com
Copyright 2009-2010 Paul A. Bristow & John Maddock
Copyright 2009 Gunter Winkler
Copyright 2003-2015 Joaquin M Lopez Munoz. Distributed
Copyright 2014-2015 Ahmed Charles
Copyright 2013 Eurodecision
Copyright 2013 Christian Shelton
Copyright 2001, 2003-2005 Hubert Holin
Copyright 2005 Jim Douglas

Copyright 2001-2015 Gennadiy Rozental
Copyright 2004-2005 Arkadiy Vertleyb Distributed
Copyright 2005 Keith MacDonald
Copyright 2001-2003 William E. Kempf
Copyright 2011 Kwan Ting Chan Based from bug report submitted by Xiaohan Wang
Copyright 2009 Paul A. Britow
Copyright 2007 Sebastian Ramacher
Copyright 2012 Denis Demidov
Copyright 2004-2006 Joao Abecasis
Copyright 2013 Pascal Germroth Distributed
Copyright 2001-2002 Chuck Allison and Jeremy Siek
Copyright 2008 Frank Mori Hess. Distributed
Copyright 2003, 2006 Bruno da Silva de Oliveira
Copyright 2006-2007 Daryle Walker Hubert Holin John Maddock
Copyright 2002 Lars Gullik Bjnnnes <larsbj@lyx.org>
Copyright 2013 Eurodecision Authors Guillaume Pinot
Copyright 2002 Vahan Margaryan
Copyright 2003 Vesa Karvonen
Copyright 2001-2002 Bill Kempf
Copyright 2006 Prabhu Ramachandran
Copyright 1998-2000 Dr John Maddock
Copyright 2013-2014 Anton Bikineev
Copyright 2012 Michele Caini. Distributed
Copyright 2013 Christopher Kormanyos. Distributed
Copyright 2002-2003, 2005, 2007 Markus Schoepflin
Copyright 2006-2007 Roland Schwarz
Copyright 2010 Alfredo Correa
Copyright 2014 Marek Kurdej
Copyright 2010 Nuovation System Designs LLC
Copyright 2000 Jeremy Siek (jsiek@lsc.nd.edu)
Copyright 2002-2013 Thorsten Ottosen
Copyright 2006-2009 Dmitry Bufistov and Andrey Parfenov
Copyright 2002-2014 Christopher Kormanyos
Copyright 2010 Daniel Trebbien
Copyright 2006-2007 Boris Gubenko
Copyright 2005-2009 Jongsoo Park
Copyright 2015 Deniz Bahadir
Copyright 2003-2008 Tobias Schwinger
Copyright 2007 Frank Birbacher
Copyright 2002-2010 Fernando Cacciola
Copyright 2000 Steve Cleary Beman Dawes Aleksey Gurtovoy Howard Hinnant & John Maddock
Copyright 2002 Jan Langer
Copyright 2005 Niall Douglas
Copyright 2013 Tim Blechmann ARM Code by Phil Endecott based on other architectures
Copyright 2007-2015 Andrey Semashev
Copyright 2005 Eric Niebler Michael Gauckler. Distributed
Copyright 2014 Riccardo Marcangelo
Copyright 2002 Jeff Westfahl
Copyright 1997-2001 University of Notre Dame. Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek
Copyright 2007, 2010 Paul A
Copyright 2002 H Lohninger TU Wein H.Lohninger Teach Me Data Analysis Springer-Verlag Berlin-New York-Tokyo
Copyright 2011 Colin Rundel
Copyright 2011 Ryan Molden
Copyright 2007-2009 Ben Hanson
Copyright 2014-2015 Andrzej Krzemienski
Copyright 2002-2007, 2009 Marcin Kalicinski
Copyright 2011-2015 Antony Polukhin
Copyright 2005-2006 Ion Gaztaaga and Peter Dimov

Copyright 2011 Jlio Hoffmann
Copyright 2012, 2015 Joel Falcou
Copyright 2005-2006 Alain Miniussi
Copyright 2003 Dave Abrahams and Thomas Becker
Copyright 2000-2010 Joerg Walter Mathias Koch Gunter Winkler David Bellot
Copyright 2005 Carl Barron. Distributed
Copyright 2004-2005, 2012 Eric Niebler Distributed
Copyright 2012 Flavio De Lorenzi (fdlorenzi@gmail.com)
Copyright 2000-2001 Stephen Cleary
Copyright 2010 Gaetano Mendola
Copyright 1999 Beman Dawes Dave Abrahams
Copyright 2012-2013 Karsten Ahnert Distributed
Copyright 2002-2009 Vladimir Prus and Robert Ramey
Copyright 2013 Andreas Hehn <hehn@phys.ethz.ch> ETH Zurich based on hellp-world
Copyright 1999-2006, 2009 David Abrahams
Copyright 2005 Ben Hutchings
Copyright 2005-2008 Dan Marsden
Copyright 2013 Sergue E. Leontiev
Copyright 2001-2002 Terje Slettebo
Copyright 2003 David Abrahams and Gottfried Ganssauge
Copyright 2000-2004 Joerg Walter Mathias Koch
Copyright 2004-2006 David Abrahams & Ralf W. Grosse-Kunsteve
Copyright 2002-2003 Toon Knapen Kresimir Fresl Joerg Walter
Copyright 2006 Tiago de Paula Peixoto <tiago@forked.de>
Copyright 2002-2005 Guillaume Melquiond
Copyright 1995-2001 Beman Dawes and Ullrich Koethe
Copyright 2007, 2011 Emil Dotchevski
Copyright 2005 Peder Holt Distributed
Copyright 2005 Daniel Egloff Eric Niebler. Distributed
Copyright 2005 Arkadiy Vertleyb Peder Holt
Copyright 1999-2001 David Abrahams Jeremy Siek Daryle Walker
Copyright 2011 Aaron Graham
Copyright 2000-2011 Joerg Walter Mathias Koch David Bellot
Copyright 2008-2015 Bruno Lalande Paris France
Copyright 2005 Jordan DeLong
Copyright 2008-2015 Vicente J. Botet Escriba
Copyright 2007 Alexey Baskakov
Copyright 2011 Brian O'Kennedy
Copyright 2003-2009 Joaquin M Lopez Munoz
Copyright 2006 Douglas Gregor scope
Copyright 1995-2010 Geodan Amsterdam the Netherlands
Copyright 2014 Jim Bell
Copyright 2008 Jurko Gospodnetic
Copyright 2010-2011 Bryce Lebach
Copyright 2001-2003 Jaakko Jrv
Copyright 2007, 2009-2010, 2012 John Maddock and Paul A. Bristow
Copyright 2014 Boris Rasin
Copyright 2000-2003 Brian McNamara and Yannis Smaragdakis
Copyright 2010 Nicolas Lelong
Copyright 2008-2009 Francois Barel
Copyright 2001 University of Notre Dame. Author Andrew Janiszewski Jeremy G. Siek
Copyright 2008-2011 Hartmut Kaiser os
Copyright 2003-2005 Rani Shari
Copyright 2002-2014 Robert Ramey -
Copyright 1997-2001 University of Notre Dame. Authors Lie-Quan Lee Jeremy Siek
Copyright 1992-2004 P.J. Plauger
Copyright 2013 Jakob Lykke Andersen University of Southern Denmark (jlandersen@imada.sdu.dk)
Copyright 2000-2009 Joerg Walter Mathias Koch Gunter Winkler

Copyright 2000-2002 Darin Adler
Copyright 2001 Ralf W. Grosse-Kunstleve. Distributed
Copyright 2007-2010 jmc
Copyright 2010 Daniel Wallin Eric Niebler. Distributed
Copyright 2011 Simon West
Copyright 2011 Andrew Ross
Copyright 2002-2003 Eric Friedman Itay Maman
Copyright 2009-2011 Frederic Bron Robert Stewart Steven Watanabe & Roman Perepelitsa
Copyright 2010 Jeffrey Hellrung. Distributed
Copyright 2012 David Doria Authors David Doria
Copyright 2004 Jeremy Siek <jsiek@cs.indiana.edu>
Copyright 2010 Lars Kielhorn
Copyright 2009 Erik Bryan
Copyright 2006-2008 Thorsten Ottosen Neil Groves
Copyright 2000 Steve Cleary & John Maddock
Copyright 2000-2006 David Abrahams and Thomas Becker
Copyright 2007 University of Karlsruhe Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek Douglas Gregor Jens Mueller

Boost Software License - Version 1.0 - August 17th, 2003

Permission is hereby granted, free of charge, to any person or organization obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following:

The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

```
>>>> MIT
http_parser.c is based on src/http/nginx_http_parse.c from NGINX copyright
Igor Sysoev.
```

Additional changes are licensed under the same terms as NGINX and copyright Joyent, Inc. and other Node contributors. All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy

of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

>>>> zlib 1.2.11

/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.11, January 15th, 2017

Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

Jean-loup Gailly Mark Adler
jloup@gzip.org madler@alumni.caltech.edu

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://tools.ietf.org/html/rfc1950> (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).

*/

>>>> zlib gpl with exception

```
-----  
--          ZLib for Ada thick binding.          --  
--                      --  
--      Copyright (C) 2002-2004 Dmitry Anisimkov      --  
--                      --  
-- This library is free software; you can redistribute it and/or modify --  
-- it under the terms of the GNU General Public License as published by --  
-- the Free Software Foundation; either version 2 of the License, or (at --  
-- your option) any later version.                --
```

```
--
--
-- This library is distributed in the hope that it will be useful, but
-- WITHOUT ANY WARRANTY; without even the implied warranty of
-- MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
-- General Public License for more details.
--
--
-- You should have received a copy of the GNU General Public License
-- along with this library; if not, write to the Free Software Foundation,
-- Inc., 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA.
--
--
-- As a special exception, if other files instantiate generics from this
-- unit, or you link this unit with other files to produce an executable,
-- this unit does not by itself cause the resulting executable to be
-- covered by the GNU General Public License. This exception does not
-- however invalidate any other reasons why the executable file might be
-- covered by the GNU Public License.
--
-----
```

>>> Apache v2.0

```
#####
#  Â© 2012,2014 Advanced Micro Devices, Inc. All rights reserved.
#
#  Licensed under the Apache License, Version 2.0 (the "License");
#  you may not use this file except in compliance with the License.
#  You may obtain a copy of the License at
#
#    http://www.apache.org/licenses/LICENSE-2.0
#
#  Unless required by applicable law or agreed to in writing, software
#  distributed under the License is distributed on an "AS IS" BASIS,
#  WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
#  See the License for the specific language governing permissions and
#  limitations under the License.
```

#####

>>>> jquery

```
/*!
 * jQuery JavaScript Library v3.1.0
 * https://jquery.com/
 *
 * Includes Sizzle.js
 * https://sizzlejs.com/
 *
 * Copyright jQuery Foundation and other contributors
 * Released under the MIT license
 * https://jquery.org/license
 *
 * Date: 2016-07-07T21:44Z
 */
```

Copyright 2016-2017 Francisco Jose Tapia (fjtapia@gmail.com)
 (C) Copyright 2002 2003 Beman Dawes Boost.Filesystem Distributed under the Boost Software License Version
 Copyright 2011 Jlio Hoffmann
 Copyright 2018-2019 Mike Dev
 Copyright 2013 Juan V. Puertos G-Cluster Christian Henning
 Copyright 1999, 2001-2006 Dave Abrahams

Copyright 2008 Federico J. Fernandez
Copyright 1999, 2001 Nicolai M. Josuttis
Copyright (c) 2014 Paul Fultz II holder.
Copyright 2012 Chung-Lin Wen Davide Anastasia
Copyright 2004-2005 Arkadiy Vertleyb Peder Holt
Copyright 2016 Chris Glover
Copyright 2008 Rep Invariant Systems Inc. (info@repinvariant.com)
(C) Copyright Ignacy Gawedzki 2010
Copyright 2019. Distributed under the Boost Software License Version
Copyright 2010, 2014 Athanasios Iliopoulos
Copyright 2003 Ross Smith
Copyright (c) 2013 Alberto Santini Author Alberto Santini <alberto@santini.in>
Copyright (c) 2009-2012 Mateusz Loskot (mateusz@loskot.net) London UK
Copyright 2007 Alexandre Courpron
Copyright 2002 Rensselaer Polytechnic Institute
Copyright 2007 Timmo Stange
Copyright (c) 2018 Louis Dionne Antony Polukhin
Copyright 2003 Sam Nabialek
Copyright 2019 A N Other
Copyright 2011 Takaya Saito
Copyright 2001-2003 Toon Knapen
Copyright 2010 Eric Jourdanneau Joel Falcou
Copyright (c) 2017 Paul Fultz II capture.cpp Distributed under the Boost Software License Version
Copyright 2014-2019 Raffi Enficiaud
Copyright 2014-2019 Glen Joseph Fernandes
Copyright (c) 2017 Paul Fultz II apply.cpp Distributed under the Boost Software License Version
Copyright 2007-2019 Andrey Semashev
Copyright 2013 Joaquim Duran
Copyright (c) 2017 Paul Fultz II construct.cpp Distributed under the Boost Software License Version
Copyright 2003, 2009 Pavel Baranov
Copyright 2013, 2018 Alain Miniussi <alain.miniussi@oca.eu>
Copyright 2005 Daniel Egloff. Distributed
Copyright 2005 John Maddock & Thorsten Ottosen
Copyright 2017 Shreyans Doshi
Copyright 2001-2009 Aleksey Gurtovoy and David Abrahams Distributed under the Boost Software License Version
Copyright Arno Schoedl & Neil Groves 2009
Copyright (C) 2001 Vladimir Prus <ghost@cs.msu.su> Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek Douglas Gregor
Copyright 1998-2019 Joel de Guzman
Copyright 2018 Kohei Takahashi
Copyright 2005-2013 Ion Gaztanaga Distributed
Copyright Nakhar Agrawal 2013
Copyright (c) 2013 Tim Blechmann ARM Code by Phil Endecott based on other architectures.
(C) Copyright 2002 Vahan Margaryan. Use modification and distribution is subject to the Boost Software License Version
Copyright 2008-2009 Ben Hanson os
Copyright 1999-2004, 2011, 2013 Jeremiah Willcock
Copyright 2009 Dustin Spicuzza
Copyright 2006-2007, 2011, 2013-2014 Paul Bristow
Copyright 2004-2014 boost
Copyright 2012 Christoph Koke
Copyright 2001-2012 Hartmut Kaiser Distributed
Copyright 2007-2012 Christian Henning Lubomir Bourdev
Copyright 2013-2019 Oracle and or its affiliates
Copyright (c) 2012 yyyy yyyy <typhoonking77@hotmail.com>
(C) Copyright 2004-2009 Robert Ramey Martin Ecker and Takatoshi Kondo Use modification and distribution is subject to the Boost Software License Version
Copyright 2013 Edward Diener
Copyright 2015 Nuxi https nuxi.nl
Copyright 2012 Chung-Lin Wen

Copyright (C) 1999-2001 Jaakko Jarvi (jaakko.jarvi@cs.utu.fi) Gary Powell (gwpowell@hotmail.com)
Copyright 2013 Christopher Kormanyos. Distributed under the Boost Software License Version
Copyright 2005 Voipster Indrek dot Juhani at voipster dot com
Copyright 2007 David Gleich
Copyright (c) 2016 Norbert Wenzel
Copyright 2005, 2007-2008 Aaron Windsor
Copyright 2010-2015 Andrii Sydoruk
Copyright 2008, 2010-2011, 2017 Christophe Henry
Copyright (C) 2009 Trustees of Indiana University Authors Jeremiah Willcock Andrew Lumsdaine
Copyright (c) 2015 Paul Fultz II compressed
Copyright 1999-2003 Jaakko Jarvi (jaakko.jarvi@cs.utu.fi)
Copyright 2016, 2018 Oracle and or its affiliates. Contributed and or modified by Vissarion Fysikopoulos on behalf of Oracle
Copyright 2018 Paul Fultz II Distributed
Copyright 2016 Thomas Kent
Copyright 2010 Matthias Walter (xammy@xammy.homelinux.net)
copyright Netscape Communications 1999
Copyright 2001-2003 Dan Nuffer
Copyright 2001-2007, 2011-2012 Joel de Guzman Dan Marsden Tobias Schwinger
Copyright 2016-2017 Alexander Zaitsev Distributed
Copyright 2004-2012 Eric Niebler. Distributed
copyright 2002-2019 John Maddock and Christopher Kormanyos
Copyright 2000-2006 Jeremy Siek David Abrahams
Copyright 2008-2019 Bruno Lalande Paris France
Copyright 2015 Robin Eckert
Copyright 2003 Roland Richter
Copyright 2016-2019 Klemens D. Morgenstern Hans Dembinski
Copyright (c) 2014 Paul Fultz II pp.
Copyright 2007 Anthony Williams. Distributed
Copyright 2018 Alexander Grund
Copyright 1995-2017 Jean-loup Gailly
Copyright (C) 2009 Andreas Haberstroh
(C) Copyright Dave Abrahams and Daryle Walker 2001
Copyright 2003 Jaap Suter
Copyright 2009-2011, 2014-2015 LRI UMR
Copyright 2005, 2010 Daniel Wallin David Abrahams
Copyright 2015, 2017 Paul Fultz II reverse
Copyright 2005-2008 Matthias Troyer
Copyright 2015-2016 Klemens D. Morgenstern Distributed
Copyright 1994-2017 Beman Dawes
Copyright 2010 W.P. McNeill
Copyright Dezide Aps 2003-2004
Copyright 2007 Baruch Zilber
Copyright 2007 CodeRage Author Jonathan Turkanis
Copyright 2019 Hans Dembinski Henry Schreiner
Copyright 2015 Charly Chevalier
Copyright 2008, 2014, 2016 Jorge Lodos
(C) Copyright 2011-2013 Andrew Hundt <ATHundt@gmail.com>
Copyright (c) 2017 Paul Fultz II if.cpp Distributed under the Boost Software License Version
Copyright 2009-2016 Mario Mulansky
Copyright (c) 2017 Paul Fultz II sequence.cpp Distributed under the Boost Software License Version
Copyright 2015 Paul Fultz II decorate
Copyright 2009-2010 Intel Corp license banner --
Copyright 2002, 2004 Hervé Brönnimann Polytechnic University
Copyright 2016-2017 Joaquin M Lopez Muoz. Distributed under the Boost Software License Version
Copyright (C) 2012 David Stone
Copyright 2006 Trustees of Indiana University Authors Jeremy G. Siek and Douglas Gregor <dgregor@cs.indiana.edu>
Copyright Thomas Becker 2003
Copyright 2010, 2012-2015, 2017-2018 Vicente Botet

Copyright 2002-2003 Herv Brnnimann Guillaume Melquiond Sylvain Pion
Copyright 2015 Robin Eckert Distributed under the Boost Software License Version
Copyright 2008-2012 Simonson Lucanus
Copyright 2013 Alex Korobka
Copyright 1986 International Organization for Standardization
Copyright 2003, 2018-2019 Peter Dimov Distributed
Copyright 2017 Levon Tarakchyan
Copyright (c) 2017 Paul Fultz II returns.cpp Distributed under the Boost Software License Version
Copyright 2003, 2005 David Abrahams Jeremy Siek Thomas Witt
Copyright 2008-2010 Niels Dekker
Copyright 2002 R.W. Grosse-Kunstleve
Copyright 2000-2003 Dave Abrahams Steve Cleary Beman Dawes Howard Hinnant & John Maddock
Copyright (c) 2010 Gevorg Voskanyan
Copyright 2012, 2014 Pieter Bastiaan Ober
Copyright 2019 Olzhas Zhumabek <anonymous.from.applecity@gmail.com>
Copyright 2001 Indiana University Author Jeremy G. Siek
copyright 2005 2006 2007 Douglas Gregor Matthias Troyer Trustees of Indiana University
Copyright 2005 David Abrahams and Aleksey Gurtovoy. Distributed
Copyright 2010-2011 Michael Caisse
Copyright 2002 Peter Dimov and David Abrahams
(C) Copyright Daryle Walker and Stephen Cleary 2001-2002
Copyright 2006-2010, 2012 Juergen Hunold
Copyright (c) 2017 Paul Fultz II pack.cpp Distributed under the Boost Software License Version
Copyright Vladimir Batov 2009-2016
Copyright 2012 IBM Corp.
Copyright Beman Dawes and Robert Stewart 2011
Copyright 2011-2013 Mario Mulansky Distributed
Copyright 2001 Alexander Peslyak and it is hereby released to the general public
Copyright 2005-2006 Daniel Egloff Olivier Gygi. Distributed
Copyright 2006 Alexander Nasonov & Paul A. Bristow
Copyright 2003-2009 Tobias Schwinger
Copyright 2007 Nikolay Mladenov
copyright 2001-2007 Beman Dawes Vesa Karvonen John Maddock
Copyright 1997-2001 University of Notre Dame. Authors Lie-Quan Lee
Copyright 2008 Gautam Sewani
Copyright 2013 Piotr Wygocki
Copyright 2005-2006 Danny Havenith
Copyright 2010-2012 Kenneth Riddile Christian Henning
Copyright 2010 Just Software Solutions Ltd
Copyright 1997-2001 University of Notre Dame. Authors Lie-Quan Lee Jeremy Siek
Copyright 2008 David Jenkins. Distributed
Copyright 2018 Oxford Nanopore Technologies
Copyright 2002-2003 Eric Friedman
Copyright 2011 ACM
Copyright 2012 Google Inc
Copyright (c) 2009-2018 Ion Gazta u00F1aga
Copyright 2008 Lubomir Bourdev Hailin Jin
Copyright (c) 2012 Martin Raspaud
Copyright 2014 Paul Fultz II mutable
Copyright 2007 Christoper Kohlhoff
Copyright 2005 Matthias Troyer and Dave Abrahams
Copyright (c) jmc 2007 - 2010
Copyright (c) 2003 Gustavo Guerra http spirit.sourceforge.net
Copyright 2004 Stefan Slapeta
Copyright Neil Groves & Thorsten Ottosen & Pavol Droba 2003-2004
Copyright 2013-2015 Kyle Lutz <kyle.r.lutz@gmail.com>
Copyright 2012 Michele Caini
Copyright 2017-2018 James E. King III Distributed

(C) Copyright Eric Ford 2001
Copyright 2004-2006 Olaf Krzikalla
Copyright 2007-2008 CodeRage LLC Author Jonathan Turkanis Contact turkanis at coderage dot com
Copyright 2016 Jason Rhinelander <jason@imaginary.ca>
Copyright 2014 Paul Fultz II fix
(C) Copyright Rani Sharoni Robert Ramey Pavel Vozenilek and Christoph Ludwig 2004
Copyright 2007 Stanford University Authors David Gleich
Copyright Jeff Garland and Beman Dawes 2002
Copyright 2015-2017 Paul Fultz II unpack
Copyright 2001-2015 Hartmut Kaiser
copyright 2000 Steve Cleary Beman Dawes Howard Hinnant & John Maddock
(C) Copyright Beman Dawes and Ullrich Koethe 1995-2001
Copyright 2015 Boost.Test team Distributed
Copyright 2006 Stephan Diederich
Copyright 2003-2019 Christopher M. Kohlhoff
Copyright (c) 2014 Paul Fultz II remove
Copyright 2005 troy
Copyright (c) 2016 MATHIEU CORNIC
Copyright 2014 MetaScale SAS
Copyright 2014 Alexander Lauser. Authors Alexander Lauser
Copyright (c) 2002 Lars Gullik Bjnnes <larsbj@lyx.org>
Copyright 2002-2010 Andreas Huber Doenni Distributed
Copyright (c) 2017 Paul Fultz II test.hpp Distributed under the Boost Software License Version
Copyright 2009 Matthias Vallentin
Copyright (c) 2012 Paul Fultz II delgate.
Copyright 2014-2015, 2024 John Fletcher
Copyright 2016-2019 Nikita Kniazev
Copyright 2014-2019 Antony Polukhin antoshkka at gmail dot com
Copyright (C) 2013 Bjorn Roald
Copyright 2003 David Abrahams and Nikolay Mladenov
Copyright 2015, 2017 Paul Fultz II flip
Copyright 2013 Thomas Sailer
Copyright 2006-2018 Emil Dotchevski and Reverse Studios Inc
Copyright 2015 Paul Fultz II capture
(C) COPYRIGHT 2018 Reimar Dffinger Based on zstd
Copyright 2008 Milan Svoboda
Copyright (c) 2017 Paul Fultz II static.cpp Distributed under the Boost Software License Version
Copyright 2015 Ion Gaztaaga Distributed under the http www.boost.org LICENSE
Copyright 2011 Simon West. Distributed under the Boost Software License Version
Copyright 2005 Pearson Education Inc. Reprinted with
Copyright (c) 2009 Jean-Francois Ostiguy
Copyright 2013 Paul A. Bristow. Added some Quickbook snippet markers
Copyright 2002-2017 Daniel Frey
Copyright 2000-2006 Stephen Cleary
Copyright 2012-2013 Pierre Talbot
Copyright 2010 Georg Fritzsche
Copyright 2012 Phil Endecott Distributed under the Boost Software License Version
Copyright 2007 Technical University of Catalonia
Copyright 2002 John Maddock and Dave Abrahams
Copyright 2017 Valentin Noah Hartmann
Copyright 2012-2013 Fernando Vilas
Copyright 2010 Nuovation System Designs LLC Grant Erickson <gerickson@nuovations.com>
Copyright 2003 Rational Discovery LLC Distributed
Copyright 2006-2007, 2009-2010, 2012 John Maddock and Paul A. Bristow
Copyright 2001-2004 Peter Dimov and Multi Media Ltd
Copyright (c) 2017 Paul Fultz II repeat.cpp Distributed under the Boost Software License Version
Copyright 2013, 2017 Ruslan Baratov
Copyright 2007-2012 Joachim Faulhaber

Copyright 2002 William E. Kempf Distributed
Copyright Rene Rivera 2013-2014
Copyright 2015-2019 Klemens D. Morgenstern
Copyright 2003-2011, 2014 LASMEA UMR
Copyright 2014 Paul Fultz II lazy
Copyright 2014 Marco Guazzone (marco.guazzone@gmail.com)
Copyright 2012 Paul A. Bristow with new tests.
Copyright 2012 Paul Fultz II partial
Copyright 2004 Jonathan Graehl
Copyright 2018 Yaghyavardhan Singh Khangarot Hyderabad India
Copyright 2016 Paul Fultz II limit
Copyright 2006-2008 Anthony Williams Distributed
Copyright 2004 Joe Coder. Distributed under the Boost Software License Version
Copyright 2006 Tomas Puverle
Copyright 2010 Josh Wilson
Copyright (c) 2011 Matthias Born
Copyright 2014 Paul Fultz II proj
Copyright 2002 Marc Wintermantel (wintermantel@imes.mavt.ethz.ch) ETH Zurich Center of Structure Technologies
Copyright 2004-2011 Michael Stevens David Bellot
copyright 2004 Brian Ravnsgaard Riis license Boost Software License
Copyright 2014-2016 Paul Fultz II result
Copyright 2019 Hans Dembinski Distributed
Copyright (c) 2011 Hannes Hofmann
Copyright Matias Capeletto 2006-2007
Copyright 2008, 2017-2019 James E. King III
(C) Copyright 2018 Mario Suvajac
Copyright 2010 Gordon Woodhull modified from MSMv2.
Copyright 2010 Matthias Walter
copyright 2006-2019 Nikhar Agrawal Anton Bikineev Paul A. Bristow Marco Guazzone Christopher Kormanyos Hubert Holin Bruno
Lalande John Maddock Jeremy Murphy Matthew Pulver Johan Rde Gautam Sewani Benjamin Sobotta Nicholas Thompson Thijs van den
Berg Daryle Walker and Xiaogang Zhang
Copyright 2014-2015 NumScale SAS
Copyright 2008 2009 John Maddock Paul A. Bristow and M.A.
Copyright © 2008 Beman Dawes Rene Rivera
Copyright 2008, 2010 Intel Corp
Copyright 2002-2003 Guillaume Melquiond Sylvain Pion
Copyright 2009-2016 Karsten Ahnert
Copyright 2011-2012 Vicente J.Botet Escriba. Distributed
Copyright 2003 Dan Watkins
Copyright 2008 CodeRage LLC
Copyright (C) 2006 Marcin Kalicinski Distributed under the Boost Software License Version
Copyright (c) Pablo Aguilar 2005
Copyright (c) 2002 by Andrei Alexandrescu
Copyright 2018-2019 Peter Dimov Hans Dembinski
Copyright 2014, 2016 Lee Clagett
Copyright Nasos Iliopoulos Gunter Winkler 2009
Copyright 2000-2005 Steve Cleary Beman Dawes Howard Hinnant & John Maddock
Copyright 2009 Yuriy Krasnoschek
Copyright 2009 Daniel Frey and Robert Ramey
Copyright 2002-2003 Herv Brnnimann
(C) Copyright Boris Rasin and Antony Polukhin 2014-2019
Copyright 2006-2011 Andy Tompkins
Copyright 2011 Jan Frederick Eick
Copyright 2010, 2013, 2017-2019 Mateusz Loskot
Copyright 2008 Lubomir Bourdev and Hailin Jin
Copyright (c) 2002 by Peter Simons <simons@cryp.to>
Copyright CrystalClear Software 2003
Copyright (c) 2009 Tor Brede Vekterli

Copyright 1997-2017 Dimitri van Heesch
Copyright 2015-2018 Oracle and or its affiliates. Contributed and or modified by Vissarion Fysikopoulos on behalf of Oracle
Contributed and or modified by Adam Wulkiewicz on behalf of Oracle
Copyright 2001 University of Notre Dame. Authors Jeremy G. Siek and Lie-Quan Lee
Copyright 2010-2011 David Bellot
Copyright 2004 The Trustees of Indiana University Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek
Copyright 2011-2013 Andrew Hundt
Copyright 2016 Brian Kuhl
Copyright 2008-2010 Joseph Gauterin Niels Dekker
Copyright 2011-2019 Antony Polukhin
copyright 2002 2003 2004 2005 Joel de Guzman David Abrahams
Copyright (c) 2018 Dmitry Arkhipov
Copyright 2014 Erik Erlandson
Copyright 2008-2016 Tim Blechmann
Copyright (c) 2010 Thomas Heller For the example
Copyright 2001, 2004 Doug Gregor
Copyright 2006 Hubert Holin and John Maddock. Distributed
Copyright 2013-2014 Agustin Berge
Copyright 2002, 2004 Herve Bronnimann
Copyright (c) 2017 Paul Fultz II infix.cpp Distributed under the Boost Software License Version
Copyright 1999 Kevlin Henney and Dave Abrahams
Copyright 2011-2012 Nathan Ridge
Copyright 2011 Paul A. Bristow and Thomas Mang. Distributed under the Boost Software License Version
Copyright (c) 2000-2013 Joerg Walter Mathias Koch Athanasios Iliopoulos
Copyright 2013 Christian Henning Distributed
(C) Copyright Eric Ford & Hubert Holin 2001
Copyright (c) 2008 Michael Marcin
Copyright 2005 Ben Hutchings
Copyright 2002-2004, 2007-2010, 2012, 2014-2015, 2017-2019 Robert Ramey
Copyright 2013-2018 Boost.Test team
Copyright 2010 Olaf Peter
Copyright 2010-2012 Thomas Mang
Copyright 2006 Stephen Nutt
Copyright Jason Rhinelander 2016
Copyright 2000-2006 Jens Maurer
Copyright 2005 Vladimur Prus
Copyright 2005 David Abrahams Matthias Troyer Michael Gauckler
Copyright (c) 2017 Paul Fultz II protect.cpp Distributed under the Boost Software License Version
Copyright 2003, 2006 Gottfried Ganauge
Copyright 2013 Pascal Germroth
Copyright 2014 Benoit Dequidt <benoit.dequidt@gmail.com>
Copyright (c) 2001-2007 Hartmut Kaiser --
Copyright 2012 K R Walker
Copyright 2000 John Maddock (john@johnmaddock.co.uk)
Copyright 2013-2019 Oracle and or its affiliates. Contributed and or modified by Adam Wulkiewicz on behalf of Oracle
Copyright 2019 Rene Rivera REM
Copyright 2002-2004 Martin Wille
Copyright 1997-2001 University of Notre Dame. Authors Jeremy G. Siek Andrew Lumsdaine Lie-Quan Lee
Copyright 2001, 2003 Vesa Karvonen
Copyright (c) 2008-2017 Emil Dotchevski and Reverge Studios Inc. NL NL Distributed under the Boost Software License Version
Copyright 2000 Maarten Keijzer
Copyright 2016-2017 Alexander Zaitsev <zamazan4ik@gmail.by>
Copyright 2012 David Bailey
Copyright 2003, 2005-2019 Rene Rivera
Copyright (c) 2015 Paul Fultz II and.
Copyright (c) 2015 Paul Fultz II make.
Copyright 2001 Ronald Garcia Indiana University (garcia@osl.iu.edu) Andrew Lumsdaine Indiana University (lums@osl.iu.edu)
2010 (c) Dean Michael Berris Distributed under the Boost Software License Version

Copyright (c) 2013 Paul A. Bristow Doxygen comments changed for new version of documentation.
Copyright 2018 Mateusz Loskot <mateusz@loskot.net>
Copyright Jeremy W. Murphy 2015
Copyright 2010-2011 Jeroen Habraken
Copyright 2016-2017 Mikhail Maximov
Copyright 2010-2012 D. E. Shaw Research. All rights reserved.
Copyright 2019 Henry Schreiner
Copyright (c) 2009 ArtVPS Ltd.
copyright 2009-2015 Karsten Ahnert and Mario Mulansky
Copyright 2013 Petr Machata Red Hat Inc
Copyright 2012 Daryle Walker Distributed under the Boost Software License Version
Copyright (c) 2015 Paul Fultz II constexpr
Copyright 2011 The Dojo Foundation Released
Copyright 2009 Eric Moyer -
Copyright (c) 1998-2000 Dr John Maddock
Copyright (c) 2016 Jeffrey E. Trull Distributed under the Boost Software License Version
Copyright 2000-2001 Gary Powell (gary.powell@sierra.com)
Copyright 2002-2004 David Abrahams and Aleksey Gurtovoy
Copyright (c) 2016 Karolin Varner
Copyright 2011-2015 Akira Takahashi
Copyright (c) 2008 Beman Dawes Distributed under the Boost Software License Version
Copyright 2001, 2004-2005, 2011-2013 Daryle Walker. Distributed
Copyright Beman Dawes 2001 2011
Copyright 2013 Andrey
Copyright 2017 Tom Westerhout font fixes to support Sphinx
Copyright 2009 Michael Hansen
Copyright 2016-2017 Paul Fultz II in.cpp Distributed
Copyright (c) 2002-2003 Toon Knapen Kresimir Fresl Joerg Walter
Copyright 2007-2019 Barend Gehrels Amsterdam the Netherlands
Copyright 2005 Jeremy G. Siek Authors Jeremy G. Siek
Copyright 2000 Steve Cleary Beman Dawes Howard Hinnant and John Maddock.
Copyright (c) 2014 Paul Fultz II forward.
Copyright 2001 Boost.org
Copyright (c) 2003 Institute of Transport Railway Construction and Operation University of Hanover Germany
Copyright (C) 2017 Daniela Engert Use modification and distribution is subject to the Boost Software License Version
Copyright 2018 Paul Fultz II REM Distributed under the Boost Software License Version
Copyright 1997-2001 University of Notre Dame. Authors Jeremy G. Siek Lie-Quan Lee Andrew Lumsdaine
Copyright 2000-2011 Joerg Walter Mathias Koch Gunter Winkler David Bellot
Copyright (c) 2017 Paul Fultz II final
Copyright 2017 think-cell GmbH
Copyright 2019 Sam Day Distributed
Copyright (C) 2001 Andreas Scherer Jeremy Siek Lie-Quan Lee and Andrew Lumsdaine
Copyright 2016 Ashish Sadanandan
Copyright 2002 Indiana University.
Copyright 2011 Roji Philip
Copyright 2013-2014 Damien Buhl
Copyright 2015-2018 Barrett Adair
Copyright 2009-2012 Mateusz Loskot London UK. London UK
Copyright (C) 2005 Igor Chesnokov mailto:ichesnokov@gmail.com
Copyright 2004-2007 Daniel Wallin
Copyright 2007-2010, 2019 Frank Mori Hess
Copyright 2014 Jessica Hamilton
Copyright 2015 Paul Fultz II fold
Copyright 2017 Alain Miniussi & Vincent Chabannes
Copyright (c) 2004 Vyacheslav E. Andrejev http://spirit.sourceforge.net
Copyright 2012 Leo Goodstadt
Copyright 2012 Authors David Doria
Copyright 2018-2019 Mike Dev Distributed

Copyright 2011, 2013-2014 Jamboree
Copyright (c) 2009-2017 Mateusz Loskot <mateusz@loskot.net> London UK.
Copyright (c) 2016 Paul Fultz II example.
Copyright 2016 Raffi Enficiaud. Distributed
Copyright 2018 Andrzej Krzemieski
Copyright 1996-1999 Silicon Graphics Computer Systems Inc
copyright Gonzalo Brito Gadeschi 2015
Copyright 2015-2016 Jeremy Murphy
Copyright 2017 Austin J. Beer
-- &copy Copyright 2008
Copyright 2011 AUTHORS.txt
Copyright 2001 Jeremy Siek Douglas Gregor Brian Osman
Copyright 2010 Peter Schueller
Copyright 2006 Piotr Wyderski
Copyright 2016 Giel van Schijndel
Copyright (c) 2011 Paul A. Bristow comments
Copyright 2015-2019 Hans Dembinski
Copyright 2002, 2004-2010, 2012 Trustees of Indiana University
Copyright 2002 Brad King and Douglas Gregor
Copyright 2014 Paul Fultz II pack
Copyright 2014 Ben Pope
Copyright 2014 Bill Gallafent
Copyright 2015-2018 Jakub Szuppe <j.szuppe@gmail.com>
Copyright 2005 Daniel Egloff Eric Niebler
Copyright 2014, 2016-2017 Paul Fultz II is
Copyright 2008-2010 Gordon Woodhull Distributed
Copyright (c) 2018 Justinas V. Daugmaudis
Copyright 2008 Roelof Naude
Copyright 2012 Sylwester Arabas
Copyright 2001 Indiana University. Author Jeremy G. Siek
Copyright 2016-2017 Klemens David Morgenstern
Copyright 2013-2015 Kyle Lutz
Copyright 2016 Frank Hein maxence business consulting gmbh
Copyright 2019 Sam Day
Copyright 2002 Ronald Garcia Jeremy Siek
Copyright (C) 2013 Andreas Hehn <hehn@phys.ethz.ch> ETH Zurich based on hellp-world
Copyright 2000-2002 John R. Bandela
(C) Copyright Runar Undheim Robert Ramey & John Maddock 2008
Copyright 2000-2002 Jeremy Siek Lie-Quan Lee and Andrew Lumsdaine
Copyright 2008-2019 Lorenzo Caminiti Distributed
Copyright 2016 Sergey Nizovtsev
Copyright (c) 2011 Robert Nelson
Copyright 2011 Thomas Heller Distributed
Copyright 1997-2001 University of Notre Dame
Copyright 2013 Maciej Piechotka Authors Maciej Piechotka
Copyright 2002 Brad King (brad.king@kitware.com)
copyrighted 1996 by Ronald Van Iwaarden.
Copyright 2004-2014 Eric Niebler
Copyright Beman Dawes Daryle Walker Gennaro Prota and John Maddock 2001-2009
Copyright 2011 Christopher Jefferson
Copyright 2002 H Lohninger TU Wein H.Lohninger Teach Me Data Analysis Springer-Verlag Berlin-New York-Tokyo
Copyright (c) 2011 Paul A. Bristow comments Distributed under the Boost Software License Version
Copyright 2004 Trustees of Indiana University Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek Douglas Gregor
Copyright (c) 2011 Colin Rundel
Copyright 2011-2015 Vicente J. Botet Escriba. Distributed
Copyright 2001-2003 Jaakko J
Copyright 2009-2014 Steven Ross
Copyright 2009 Brian Ravnsgaard and Kenneth Riddile

Copyright 2016-2017 John Z. Maddock
Copyright 2000-2003 Gary Powell (powellg@amazon.com)
Copyright (c) 2000-2013 Joerg Walter Mathias Koch. David Bellot
Copyright 2016 Bogumi Chojnowski
Copyright 2017 Alain Miniussi & Steffen Hirschmann
Copyright 2017 Samuli-Petrus Korhonen
Copyright 2018 Yi Ji
Copyright 2009-2011 Frederic Bron
Copyright (c) 2017 Paul Fultz II match.cpp Distributed under the Boost Software License Version
Copyright (c) 2018 Emil Dotchevski. Distributed under the
Copyright 2018 Yaghyavardhan Singh Khangarot Hyderabad India. Contributed and or modified by Yaghyavardhan Singh Khangarot as part of Google Summer of Code
(c) Peter Kankowski 2008
Copyright (c) 2014 Grav
Copyright 2012 Philipp Moeller
Copyright (c) 2001-2007 Hartmut Kaiser Revised
Copyright (C) 2002-2003 David Moore William E. Kempf
Copyright 2018-2019 Peter Dimov and is distributed
Copyright 2015-2016 Jeremy William Murphy
Copyright 2004-2005 Trustees of Indiana University Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek Doug Gregor D. Kevin McGrath
Copyright 2003 Christof Meerwald
Copyright 2014 Franz Detro
Copyright 2015 Paul Fultz II decay
(C) Copyright Vladimir Prus David Abrahams Michael Stevens Hartmut Kaiser Ion Gaztanaga 2007-2008
COPYRIGHT (17 U.S.C. SECTION
Copyright 2008 Gunter Winkler <guwi17@gmx.de> Thanks to Tiago Requeijo for providing this test Distributed under the Boost Software License Version
2010 (c) Dean Michael Berris
Copyright 2003-2004, 2006, 2008 Gerald I. Evenden
Copyright 2017 Paul Fultz II requirements.txt Distributed
Copyright 2007-2008 David Jenkins
Copyright 2016-2017 Oracle and or its affiliates. Contributed and or modified by Vissarion Fisikopoulos on behalf of Oracle
Copyright 2007-2012 Christian Henning Andreas Pokorny Lubomir Bourdev
Copyright 2009 Sascha Ochseneck
Copyright 2009-2010 Paul A. Bristow & John Maddock
Copyright 2018 Oracle and or its affiliates Contributed and or modified by Vissarion Fysikopoulos on behalf of Oracle
Copyright 2014-2015 Ahmed Charles
Copyright 2011-2019 Renato Tegon Forti Antony Polukhin
Copyright 2001, 2003-2005 Hubert Holin
Copyright 2005 Jim Douglas
Copyright 2004-2005 Arkadiy Vertleyb Distributed
Copyright 2001-2003 Samuel Krempf
Copyright 2011, 2013 Marshall Clow Distributed
Copyright 2009 Paul A. Britow
Copyright 2007 Sebastian Ramacher
Copyright 2003-2013 Jan Gaspar
Copyright 2004-2006 Joao Abecasis
Copyright 2013 Christian Henning and Juan V. Puertos
Copyright 2013 Ankur Sinha
Copyright 2008-2018 Oliver Kowalke
Copyright 2014 Paul Fultz II arg
Copyright (c) 2017 Paul Fultz II decay.cpp Distributed under the Boost Software License Version
Copyright 2013 Eurodecision Authors Guillaume Pinot
Copyright Duncan Exon Smith 2012
Copyright (C) 2005 Jong Soo Park
(C) Copyright 2018 Mario Suvajac Distributed under the Boost Software License Version
© Copyright Fernando Cacciola 2002 - 2010

Copyright 2012 Michele Caini. Distributed
Copyright 2002-2003, 2005, 2007 Markus Schoepflin
Copyright 2010 Alfredo Correa
Copyright 2014 Marek Kurdej
Copyright 2012 Olivier Tournaire Christian Henning
(C) Copyright 2003-4 Pavel Vozenilek and Robert Ramey - [http www.rrsd.com](http://www.rrsd.com). Use modification and distribution is subject to the Boost Software License Version
Copyright 2000-2006, 2011-2012 Daryle Walker
Copyright 2016-2017 Paul Fultz II `pointfree.cpp` Distributed
Copyright 2000 Jeremy Siek (jsiek@lsc.nd.edu)
Copyright (c) 2016 Mikhail Maximov `vigorous.activity` at gmail dot com
Copyright 2003-2004 Douglas Gregor Distributed under the Boost Software License Version
(C) Copyright 2002-2008 Robert Ramey and Joaquin M Lopez Munoz Use modification and distribution is subject to the Boost Software License Version
Copyright 2006-2009 Dmitry Bufistov and Andrey Parfenov
Copyright 2010-2012 Jim Bosch & Ankit Daftery
Copyright 2010 Daniel Trebbien
Copyright Daniel Walker Eric Niebler Michel Morin 2008-2012
Copyright 1998-2019 John Maddock
Copyright 2015 Deniz Bahadir
Copyright Markus J. Weber 2015
Copyright 2000 Steve Cleary Beman Dawes Aleksey Gurtovoy Howard Hinnant & John Maddock
Copyright 2002 Jan Langer
Copyright 2005 Eric Niebler Michael Gauckler. Distributed
Copyright 2014 Riccardo Marcangelo
Copyright 2002 Jeff Westfahl
Copyright 2005, 2013-2019 Niall Douglas
Copyright (c) 2017 Paul Fultz II `virtual`
Copyright 2007, 2010 Paul A
Copyright 2007-2009 Ben Hanson
Copyright 2010-2019 Edward Diener
Copyright 2014 Tomoki Imai
Copyright (C) 2009 Vladimir Prus `REM REM` Distributed under the Boost Software License Version
Copyright 2015 Paul Fultz II `combine`
Copyright 2006 John Maddock Paul A. Bristow and Xiaogang Zhang.
Copyright 2018 Nick Thompson. Distributed
Copyright 2008, 2010-2011, 2017 Christophe Henry `henry UNDERSCORE christophe AT hotmail DOT com`
Copyright 2003 Dave Abrahams and Thomas Becker
(C) Copyright David Abrahams Steve Cleary Beman Dawes Howard Hinnant & John Maddock 2000-2002
Copyright 2005 Carl Barron. Distributed
Copyright 2012 Flavio De Lorenzi (fdlorenzi@gmail.com)
Copyright 2015 Gregor de Cillia
Copyright 2001-2019 Boost.Test contributors
Copyright 1999 Beman Dawes Dave Abrahams
Copyright 2012 Paul Fultz II `identity`
Copyright 2005 Eric Niebler Daniel Egloff. Distributed under the Boost Software License Version
Copyright (c) 2017 Paul Fultz II `partial.cpp` Distributed under the Boost Software License Version
Copyright 2001-2002 Terje Slettebo
Copyright 2016 Bogumi Chojnowski `bogumil DOT chojnowski AT gmail DOT com` This is extended version of the state machine available in the boost mpl library
Copyright 2010 Jeffrey Hellrung. Distributed under the Boost Software License Version
Copyright (c) 2001-2002 Joel de Guzman MT code
Copyright 2013 Steven Benner
Copyright 2015 Lingxi Li
Copyright 2005 Peder Holt Distributed
Copyright 2004-2005, 2009, 2012 Eric Niebler Distributed
Copyright 2005 Daniel Egloff Eric Niebler. Distributed
Copyright 1999-2001 David Abrahams Jeremy Siek Daryle Walker

Copyright 2016 Arnaud Kapp Oliver Kowalke
(C) COPYRIGHT 2018 Reimar Dffinger
Copyright 2010 Barend Gehrels. Distributed under the Boost Software License Version
Copyright Adam D. Walling 2012
(c) Copyright Mark Rodgers 2000
Copyright 2005-2006, 2014, 2018 Alain Miniussi
Copyright 2007 Alexey Baskakov
Copyright 2014 Roshan <thisisroshansmail@gmail.com>
Copyright (c) 2017 Paul Fultz II fold.cpp Distributed under the Boost Software License Version
Copyright 2018 Benjamin Worpitz
Copyright 2010 Felipe Tanus Boris Schaeling
Copyright 1995-2010 Geodan Amsterdam the Netherlands
Copyright 2014 Jim Bell
Copyright 2010-2011 Bryce Lebach
Copyright 2000-2003 Brian McNamara and Yannis Smaragdakis
(C) Copyright 2002 Martin Ecker. Use modification and distribution is subject to the Boost Software License Version
Copyright 2013 Oliver Kowalke. Distributed
Copyright 1999 Paul Moore
Copyright 2003-2005 Rani Sharoni
Copyright 2012 Olivier Tournaire
Copyright 2000-2002 Darin Adler
Copyright 2001-2002 Housemarque Oy
Copyright (c) 2011 Paul Heil
Copyright (c) 2001 by Andrei Alexandrescu. Distributed under the Boost Software License Version
Copyright 1999, 2005, 2013 Hubert Holin. Distributed
Copyright 2019 Damian Jarek(damian.jarek93@gmail.com)
Copyright 2006 2008 2011 John Maddock Johan Rade and Paul A. Bristow. Distributed under the Boost Software License Version
Copyright 2002-2003 Eric Friedman Itay Maman
Copyright (c) 2013 John Maddock Antony Polukhin
Copyright 2009-2011 Frederic Bron Robert Stewart Steven Watanabe & Roman Perepelitsa
Copyright 2010 Lars Kielhorn
Copyright 2012 David Doria
Copyright 2009 Erik Bryan
Copyright David Abrahams Jeremy Siek Vladimir Prus 2006
Copyright 2000 Steve Cleary & John Maddock
copyright 2008 Paul A. Bristow John Maddock
Copyright 2008-2019 Vicente J. Botet Escriba
Copyright 2011-2012 Renato Tegon Forti
Copyright 2003-2018 Joaquin
Copyright 2003, 2005-2009 David Abrahams Daniel Wallin
Copyright 2014-2015 Samuel Debionne Grenoble France
Copyright 2000-2001 Stephen Cleary rem rem Distributed
Copyright 2003 Jeremy Siek Authors Lie-Quan Lee Jeremy Siek and Douglas Gregor
Copyright 2014, 2016 Zach Laine
(C) Copyright Daniel K. O. 2005
Copyright 2014 Paul Fultz II always
Copyright 2017 Michel Morin. Distributed
Copyright 2016-2017 Alexander Zaitsev
Copyright 2001, 2004 Jeremy Siek <jsiek@cs.indiana.edu> Distributed
Copyright 1994 Hewlett-Packard Co
Copyright 2009-2014 Neil Groves. Distributed
Copyright 2001-2013 Thomas Heller
Copyright 2012 Paul Fultz II match
Copyright 2008-2013, 2015-2016 Vicente J. Botet Escriba Distributed
Copyright 2005-2018 Daniel James Distributed
Copyright 1999-2001 Beman Dawes David Abrahams
Copyright (c) 2000 David Abrahams. Distributed under the Boost Software License Version
Copyright 1999-2004 Jaakko Jarvi

(c) Copyright Andreas Huber Doenni 2002-2005
Copyright 2012 Beman Daves
Copyright 2014 Benoit
Copyright 2009 Eric Bose-Wolf
Copyright 2000-2001 Lie-Quan Lee and Jeremy Siek
Copyright 2009-2010 Mathias Gaunard
Copyright (c) 2016 Paul Fultz II config.hpp Distributed under the Boost Software License Version
Copyright 2013 Andreas Hehn <hehn@phys.ethz.ch> ETH Zurich
Copyright 2012-2019 Glen Joseph Fernandes (glenjofe@gmail.com)
Copyright 2015-2019 Antony Polukhin Distributed
Copyright Christopher Brown 2013
Copyright (c) 2017 Paul Fultz II filter.cpp Distributed under the Boost Software License Version
Copyright 2016 Tony Lewis
Copyright 2009-2018 Abel Sinkovics (abel@sinkovics.hu)
Copyright 2015 Bruno Dutra
Copyright 2007 David Deakins
Copyright 2006-2008 Johan Rade
Copyright 2012 Bejamin Sobotta John Maddock and Paul A. Bristow. Distributed
Copyright 2008 Author Matyas W Egyhazy
Copyright 2014 Christopher Kormanyos John Maddock Paul A. Bristow
(C) COPYRIGHT 2017 ARM Limited Based on gzip
Copyright 2002 Raghavendra Satish
Copyright 2012-2014 Denis Demidov
Copyright 2002-2003 Juan Carlos Arevalo-Baeza
2012 2014 Advanced Micro Devices Inc. All rights reserved.
Copyright 2015, 2017 Orson Peters
Copyright 2008, 2010 Gunter Winkler <guwi17@gmx.de>
Copyright 2006 Eric Niebler Olivier Gygi. Distributed
Copyright (c) 2012 Paul Fultz II join.
Copyright (c) 2017 Valere JEANTET
Copyright (c) 2008-2011 Hartmut Kaiser os
Copyright 2017 Paul Fultz II implicit.cpp Distributed
Copyright 2010-2018 Justinas Vygintas Daugmaudis
Copyright 2009-2012 David Abrahams Vicente Botet Ion Gaztanaga
Copyright 2009 Dmitry Bufistov Andrew Sutton
Copyright 2001-2002 Daniel C. Nuffer
Copyright 2000 John Maddock and Steve Cleary
Copyright 2002-2012 Paul Menssonides
Copyright 1997-2001 University of Notre Dame. Author Jeremy G. Siek
copyright 2006 2007 2008 2009 2010 2011 2012 Julio M. Merino Vidal Ilya Sokolov Felipe Tanus Jeff Flinn Boris Schaeling
Copyright (c) 2017 Paul Fultz II mutable.cpp Distributed under the Boost Software License Version
Copyright 2016-2019 Oracle and or its affiliates. Contributed and or modified by Vissarion Fisikopoulos on behalf of Oracle
Contributed and or modified by Adam Wulkiewicz on behalf of Oracle
Copyright 2001-2009, 2014 Steven J. Ross
Copyright 2005-2007 Matthew Calabrese
(C) Copyright Boris Rasin 2014
Copyright (c) 2017 Paul Fultz II conf.py Distributed under the Boost Software License Version
Copyright Sergey Shandar 2005
Copyright 2015, 2017 Paul Fultz II repeat
Copyright 2012 ohn Maddock
Copyright 2005-2017 Daniel James
Copyright 2007, 2011, 2018 Emil Dotchevski
Copyright 2010 Fabien Castan Christian Henning
Copyright (c) 2004 Ralf Mattethat
Copyright 2014 Paul Fultz II returns
Copyright 2002, 2004 Pavel Vozenilek
Copyright 2002 Aleksey Gurtovoy (agurtovoy@meta-comm.com)
Copyright 2005 Redshift Software Inc

Copyright 2004 Bertolt Mildner
Copyright 2006-2007 notice to include the year
(C) Copyright 2004 Douglas Gregor and Jeremy Siek
Copyright 2000 Keld Helsgaun
Copyright 2003 Giovanni Bajo
Copyright 2005 Stefan Arentz
Copyright 2006 Alisdair Meredith
Copyright 2013 Nikhar Agrawal
Copyright 2006 John Maddock Paul A. Bristow and Xiaogang Zhang. Distributed
Copyright (c) 2017 Paul Fultz II lambda.cpp Distributed under the Boost Software License Version
Copyright 2013 Davide Anastasia <davideanastasia@users.sourceforge.net>
(C) Copyright Balint Cserni 2017
Copyright (c) 2014 Agustin Berge Distributed under the Boost Software License Version
Copyright (c) 2019 Christian Mazakas
Copyright 2013-2014 Paul Bristow Distributed
Copyright 2014 Paul Fultz II lambda
Copyright (c) 2014 Paul Fultz II unwrap.
copyrights to 2005
Copyright (c) 2016 Paul Fultz II noexcept.hpp Distributed under the Boost Software License Version
Copyright 2018-2019 Cem Bassoy cem.bassoy@gmail.com
Copyright 2003 Synge Todo
Copyright Tobias Schwinger 2005-2007
Copyright 2014 Ian Forbed
Copyright (c) 2011 2012 Martin Lambers <marlam@marlam.de>
Copyright 2009, 2013 Sebastian Redl Distributed
Copyright 2009-2012 Artyom Beilis Distributed
Copyright 2009-2011 Gunter Winkler David Bellot
Copyright 2018 Fady Essam
Copyright 1998-1999 Greg Colvin and Beman Dawes
Copyright 2010, 2013, 2017-2019 John Maddock Distributed
Copyright 2002-2014, 2016 Christopher Kormanyos
Copyright 2001-2008, 2010 Douglas Gregor
Copyright 2014 Paul Fultz II tap
Copyright 2002-2014, 2017-2018 Robert Ramey -
Copyright (C) 1998 by Jacques Nomssi Nzali. For conditions of distribution and use see
Copyright 2015-2017 Jason Rice
Copyright 2019 Przemyslaw Bartosik
Copyright 2013, 2015 Muhammad Junaid Muzammil <mjunaidmuzammil@gmail.com>
Copyright 2018 Robin Linden
Copyright 2016-2019 Joaquin M Lpez Muoz
Copyright 2008-2011 Joachim Faulhaber Distributed
Copyright 2019 Henry Schreiner Hans Dembinski
Copyright 2015 Michael Caisse ciere.com
copyright 2001-2009 Beman Dawes Daryle Walker Gennaro Prota John Maddock
Copyright (C) 2010 Paul A. Bristow added Doxygen comments.
Copyright 2014 Boris Rasin Antony Polukhin
Copyright 2009 Dean Michael Berris <me@deanberris.com>
Copyright 2018 T. Zachary Laine (whatwasthataddress@gmail.com)
Copyright 1999-2006 Cortex Software GmbH Kantstrasse
Copyright 2018 T. Zachary Laine Distributed
Copyright (C) 2008-2018 Lorenzo Caminiti -- Distributed under the Boost Software License Version
Copyright 2015 Paul Fultz II construct
Copyright 2012 David Doria Authors David Doria
Copyright 2010 Larry Evans
Copyright 2017 Kristian Popov <kristian.popov@outlook.com>
Copyright (c) 2015 Orson Peters <orsonpeters@gmail.com>
Copyright Datasim Education BV 2009-2010
Copyright 2013 Krzysztof Czainski

Copyright 2009 Trustees of Indiana University. Authors Michael Hansen
Copyright 2009-2011 Christopher Schmidt
Copyright 2002-2005 Thomas Witt
Copyright 2010 Daniel Wallin Eric Niebler. Distributed under the Boost Software License Version
Copyright 2003-2019 Joaquin M Lopez Munoz. Distributed
Copyright 2002-2010 Marcin Kalicinski
Copyright (c) 2015 Mario Lang
Copyright 2003-2004, 2007-2010, 2012, 2014 Howard Hinnant
Copyright (c) 2011 Ryan Molden
Copyright 2007 University of Karlsruhe Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek Douglas Gregor Jens Mueller
Copyright 2007, 2010, 2012, 2014 Paul A. Bristow. Distributed
Copyright 2009 Trustees of Indiana University. Authors Michael Hansen Andrew Lumsdaine
Copyright 2011-2017 Adam Wulkiewicz
Copyright 2009, 2012 Boris Schaeling
Copyright (c) 2017 Paul Fultz II alias.cpp Distributed under the Boost Software License Version
Copyright 2019 Paul A. Bristow additions for more control of serif-italic font etc
Copyright 2018-2019 Raffi Enficiaud Distributed
Copyright 2005-2008 Redshift Software Inc. Distributed
Copyright 2004, 2006 Michael Stevens
Copyright 2001-2008 Dan Marsden
Copyright 2003-2019 Joaquin M Lopez Munoz
Copyright 2019 Olzhas Zhumabek <anonymous.from.applecity@gmail.com&gt
Copyright (c) 2012 Paul Fultz II seq.
copyright 2000 2005 Steve Cleary and John Maddock
Copyright (C) 2006 Douglas Gregor scope
Copyright 2010 Kenneth Riddle
Copyright 2000 Cadenza New Zealand Ltd Distributed
Copyright (c) 2017 Denis Demidov <dennis.demidov@gmail.com>
Copyright 2000, 2003 David Abrahams and Jeremy Siek
Copyright 2004-2007, 2010 Peder Holt
Copyright 1995-2017 Mark Adler
Copyright 2015 Mario Mulansky <mario.mulansky@gmx.net>
Copyright Johan Rade and Paul A. Bristow 2011
Copyright 2009-2011 Frederic Bron. Distributed
Copyright 2006 Eric Niebler Olivier Gygi
Copyright 2012 Paul Fultz II pipable
Copyright Klemens David Morgenstern Hans P. Dembinski 2016-2017
Copyright 2014 Paul Fultz II infix
Copyright 2011-2012 Ankit Daftary
Copyright (c) 2017 Paul Fultz II indirect.cpp Distributed under the Boost Software License Version
Copyright 2014-2015, 2017-2019 Peter Dimov. Distributed
Copyright 2001 Samuel Kremp kremp@crans.ens-cachan.fr Distributed
(C) Copyright 2002-2009 Vladimir Prus and Robert Ramey. Use modification and distribution is subject to the Boost Software License Version
Copyright 2014 Paul Fultz II compose
Copyright 2013 University of Warsaw. Authors Piotr Wygocki
(C) Copyright David Abrahams Vicente Botet 2009
Copyright (c) 2016 Paul Fultz II recursive
Copyright Andreas Schwab 2019
Copyright 2007-2010, 2012-2013 Christian Henning
Copyright 2013 Tim Blechmann Linux-specific code by Phil Endecott
copyright 2009-2019 Barend Gehrels Bruno Lalande Mateusz Loskot Adam Wulkiewicz Oracle and or its affiliates
Copyright 2007-2008 Andreas Pokorny Christian Henning
Copyright 2012-2013 Andreas Pokorny
Copyright 2002-2006 Kiyoshi Matsui <kmatsui@t3.rim.or.jp>
Copyright 2013 Christian Shelton
Copyright 2006 Olivier Gygi Daniel Egloff. Distributed
Copyright 2000-2007 CrystalClear Software Inc

Copyright 2015 Paul Fultz II if
Copyright 2008-2010 Gordon Woodhull
Copyright (c) 2010 Ilya Murav'jov
Copyright 1989, 2013-2014 Mageswaran.D <mageswaran1989@gmail.com>
(C) Copyright 2002-2009 Vladimir Prus Robert Ramey and Takatoshi Kondo. Use modification and distribution is subject to the Boost Software License Version
copyright 2015 Abel Sinkovics
Copyright 2011-2012 Brandon Kohn
Copyright 2012-2019 Mateusz Loskot <mateusz@loskot.net>
Copyright 2013, 2015-2019 Antony Polukhin. Distributed
Copyright 2000 Dave Abrahams Steve Cleary Beman Dawes Aleksey Gurtovoy Howard Hinnant & John Maddock
Copyright 2016-2019 2019Damian Jarek
Copyright 2016 John Maddock Paul A. Bristow Thomas Luu Nicholas Thompson. Distributed under the Boost Software License Version
Copyright 2001, 2009 Ronald Garcia
Copyright (c) 2015 Paul Fultz II alias.
Copyright 2018 Tobias Loew
Copyright 2003-2004 David Abrahams Jeremy Siek and Thomas Witt
Copyright 2009 Pablo Halpern
Copyright 2003 Chris Anderson <christop@charm.net> Please
Copyright (c) 2003 Gunter Winkler Joerg Walter
Copyright 2005 Terje Sletteb and Kevlin Henney
Copyright 2017 ARM Ltd
Copyright 2010, 2015-2017 Francisco Jos Tapia (fjtapia@gmail.com)
Copyright 1999-2004, 2006 Jeremy Siek
Copyright 2001-2010, 2012-2013 The Trustees of Indiana University
Copyright 2004 Kristopher Beevers
Copyright 2006 2013 John Maddock Paul A. Bristow Xiaogang Zhang and Christopher Kormanyos.
Copyright 2016 Mikhail Maximov. Distributed under the Boost Software License Version
Copyright 2017 Bjorn Reese
Copyright 2000-2019 Peter Dimov
Copyright 2007 Matthias Troyer <troyer@boost-consulting.com>
Copyright 2004-2019 Ion Gaztanaga
Copyright 2014, 2016 Paul Fultz II function
Copyright 2018 agate-pris
Copyright 2006 Ralf W. Grosse-Kunstleve & David Abrahams
Copyright 2001 Ronald Garcia Indiana University (garcia@osl.iu.edu)
Copyright 2014-2017 Steven Ross Francisco Tapia Orson Peters
Copyright 2012-2017 Glen Fernandes
Copyright (c) 2017 Paul Fultz II fix.cpp Distributed under the Boost Software License Version
Copyright (C) 1995-2017 Jean-loup Gailly detect
Copyright 2003 Toon Knapen David Abrahams Roland Richter and Jeremy Siek
Copyright 2006-2009 Emil Dotchevski and Revere Studios Inc. --
Copyright 2012-2018 Louis Dionne
Copyright 2017-2018 Tom Hughes
Copyright (c) 2010 Head Geek
Copyright 2010 Carl Philipp Reh
Copyright 2014 Christoph Weiss
Copyright 2003-2009 Matthias Christian Schabel
Copyright (c) 2016 Paul Fultz II boost hof.hpp Distributed under the Boost Software License Version
Copyright 2008 Bruno Lalande
Copyright 2017 Paul Fultz II always.cpp Distributed
Copyright (c) 2014 Paul Fultz II move.
Copyright (c) 2017 Paul Fultz II reveal.cpp Distributed under the Boost Software License Version
Copyright 2012, 2015 Agustin K-ballo Berge
Copyright 2004 Michael Glassford
Copyright 2016 arett Adair
Copyright 2001 Bruce Florman
Copyright 2009 Phil Endecott

Copyright 1999-2010 Aleksey Gurtovoy
Copyright 2000, 2002 Gary Powell (gwpowell@hotmail.com)
Copyright 2011 Boris Schaeling (boris@highscore.de)
Copyright 2008, 2010 Gunter Winkler <guwi17@gmx.de> Distributed
Copyright Christpher Kormanyos 2014
Copyright (C) 2013 Cromwell D. Enage Distributed under the Boost Software License Version
Copyright (C) 2004-2008 Rene Nyffenegger
Copyright (c) 2017 Paul Fultz II function.cpp Distributed under the Boost Software License Version
Copyright 2006-2012 Alexander Nasonov Lorenzo Caminiti
Copyright 2009-2012 Jeremy Ashkenas DocumentCloud Inc. Underscore is freely distributable
Copyright 2017-2019 Nick Thompson
Copyright 2016 Jeffrey E. Trull
Copyright 2006-2012 Matias Capeletto
Copyright 2004, 2009-2010 Chris Hoeppler
Copyright (c) 2017 Paul Fultz II arg.cpp Distributed under the Boost Software License Version
Copyright 2003 Vaclav Vesely
copyright 2014-2018 Andrzej Krzemie&
Copyright 2010-2011 Barend Gehrels
Copyright 2015 Boost development team
Copyright (c) 2004 Trustees of Indiana University -- -- Distributed under the Boost Software License Version
Copyright 1997-2000 University of Notre Dame. Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek Doug Gregor D. Kevin McGrath
Copyright 2016-2017 Alexander Zaitsev <zamazan4ik@gmail.com>
Copyright 2009-2010 Vicente J. Botet Escribá . Distributed
Copyright 2006-2018 John Maddock and Paul A. Bristow. Distributed
Copyright 2009 Trustees of Indiana University Authors Jeremiah J. Willcock Andrew Lumsdaine
Copyright 2009-2015 Artyom Beilis
Copyright 2019 Pranam Lashkari <plashkari628@gmail.com>
Copyright 2004-2009 Gunter Winkler
Copyright 2003 David Abrahams Jeremy Siek
Copyright 2017 James E. King III -
Copyright 2013 2017-2018 Cray Inc. Use modification and distribution are subject to the Boost Software License Version
Copyright 2000-2005 Kevlin Henney
Copyright 2002 Brad King (brad.king@kitware.com) Douglas Gregor (gregod@cs.rpi.edu)
Copyright 2012-2016 Klemens Morgenstern
Copyright 2009, 2013 Carl Barron
Copyright 2014 Ion Gaztanaga. Distributed under the Boost Software License Version
Copyright 2002 Guillaume Melquiond Sylvain Pion Hervé Brönnimann Polytechnic University
Copyright 2015 Paul Fultz II flow
Copyright 2009 Edward Grace
Copyright 2011 John Resig Dual
Copyright 2001 Vladimir Prus <ghost@cs.msu.su>
Copyright 2001 University of Notre Dame. Author Andrew Janiszewski Jeremy G. Siek
Copyright 2007-2008 Steven Watanabe Joseph Gauterin Niels Dekker
Copyright 2000-2009 Michael Stevens Mathias Koch Joerg Walter Gunter Winkler
Copyright (c) 2015 Paul Fultz II can
(C) Copyright 2002 Rani Sharoni (rani_sharoni@hotmail.com) and Robert Ramey Use modification and distribution is subject to the Boost Software License Version
Copyright 2003, 2006-2007 Daniel Walker
Copyright (c) 2013 Paul A. Bristow Doxygen comments changed.
Copyright 2004-2010 Alexander Nasonov
Copyright 2005-2012 Anthony Williams
Copyright 2017 Felix Salfelder
Copyright 2018-2019 Matthew Pulver
Copyright 2005-2009 Trustees of Indiana University Distributed
Copyright 2013 Antony Polukhin Move semantics implementation
Copyright 2016-2017 Paul Fultz II print.cpp Distributed
Copyright 2014 Paul A. Bristow Distributed under the Boost Software License Version

Copyright (c) 2005 Jordan DeLong <http://spirit.sourceforge.net>
Copyright (c) 2007 by Frank Mori Hess <fmhess@users.sourceforge.net>
(C) Copyright 2012 Boris Schaeling Distributed under the Boost Software License Version
Copyright (c) 2012 Benjamin Schindler
Copyright 2005 Felix Hfling Guillaume Melquiond
Copyright 2006 Michael van der Westhuizen
Copyright 2011 Kwan Ting Chan
Copyright 2016 Szabolcs Toth (thszabi@gmail.com)
Copyright 2001 Jaakko J u00E4rvi
Copyright (c) 2010 Sergey GooRoo Olendarenko
Copyright 2005-2006, 2009 Alexander Nasonov. Distributed
Copyright 2009-2012, 2014 Marco Guazzone
Copyright 2005-2007, 2011, 2015-2018 Stefan Seefeld
Copyright 1998 Addison-Wesley Longman Inc
Copyright 2009-2011 Helge Bahmann
Copyright 2017 Paul Fultz II tuple
Copyright 2008 Ilya Sokolov Boris Schaeling
Copyright 2004-2007 ©
Copyright (c) Maciej Piechotka 2013
Copyright 2008, 2013-2018 Rene Rivera Distributed
Copyright (c) 2019 Tinko Bartels
Copyright 2018 Andrey Semashev Distributed
Copyright 2009-2019 Mateusz Loskot London UK
Copyright 2017 Vinnie NotDefaultConstructible
2007. Copyright Paul
Copyright Beman Dawes and Daryle Walker 1999
Copyright (c) 2017 Paul Fultz II `pipable.cpp` Distributed under the Boost Software License Version
(C) Copyright Hubert Holin and Daryle Walker 2001-2002
Copyright 2012 Oswin Krause
Copyright (c) 2008 Gennaro Prota Distributed under the Boost Software License Version
Copyright 2014-2018 Andrzej Krzemienski
Copyright (c) 2017 Paul Fultz II `result.cpp` Distributed under the Boost Software License Version
Copyright 2017 Paul Fultz II `unpack.cpp` Distributed
Copyright 2010, 2012 Christopher Schmidt Nathan Ridge
Copyright 2003-2007 Jonathan Turkanis Distributed
Copyright 2013 Paul A. Bristow additions for more colors and alignments
Copyright 2009-2012 Lorenzo
Copyright 2003 Rational Discovery LLC
Copyright (C) 2017 Minmin Gong
Copyright 2009-2011 Steven Watanabe Distributed
Copyright 2010 Thomas Claveirole Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek Thomas Claveirole
Copyright (c) 2019 Tom Tan
(C) Copyright Aaron W. LaFramboise Roland Schwarz Michael Glassford 2004
Copyright 2015 Boost.Test team. Distributed
Copyright 2004-2006 Arkadiy Vertleyb
Copyright 2004 Henrik Ravn
Copyright 2014, 2018 Kohei Takahashi Distributed
Copyright 2005-2007 Michael Drexler
Copyright 2008 Bruno Lalande. Distributed under the Boost Software License Version
Copyright 2017 Björn Reese
Copyright 2010 Cowboy Ben Alman Dual
Copyright 2006 Eric Niebler
Copyright 2016-2018 Paul Fultz II
MIME-Version 1.0 To ahd6974-boostorg-at-yahoo.com [Edit - Delete] Subject Re [boost] Reminder Need your permission to correct
license & copyright issues References <379990.36007.qm@web33507.mail.mud.yahoo.com> In-Reply-To
<379990.36007.qm@web33507.mail.mud.yahoo.com>
Copyright 2003-2019 Joaquín

Copyright 2001 Ronald Garcia Indiana University (garcia@osl.iu.edu) Andrew Lumsdaine Indiana University (lums@osl.iu.edu).
Distributed
Copyright 2019, 2211 Miral Shah <miralshah2211@gmail.com>
Copyright 2018 Steffen Hirschmann
Copyright (c) 2017 Paul Fultz II rotate.cpp Distributed under the Boost Software License Version
Copyright 2015, 2018 Kohei Takahshi
Copyright 2014 Paul Fultz II indirect
Copyright 2018 Jiaxun Yang
Copyright 2015 Paul Fultz II eval
Copyright 2013-2014 Nikhar Agrawal Christopher Kormanyos John Maddock Paul A. Bristow. Distributed
Copyright 2001, 2006 John Maddock
Copyright 2001-2003 Mac Murrett
Copyright 2015, 2017 Paul Fultz II apply
Copyright 2017, 2019 Nick Thompson Distributed
Copyright 2018-2019 Cem Bassoy
Copyright 1995 Gerald Evenden
Copyright 1999-2006 Cortex Software GmbH
Copyright 2003 Bruce Barr Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek
Copyright 2001-2002 Jeremy Siek and John R. Bandela
Copyright 2009 Jesse Williamson
Copyright 2013 2013 John Maddock Anton Bikineev.
Copyright 2011 Garmin Ltd. or its subsidiaries
Copyright 2015 Jakub Pola <jakub.pola@gmail.com>
Copyright 2012-2018 Kohei Takahashi
Copyright 2001 Francois Faure
Copyright (c) 1995 Maarten Hilferink Amsterdam the Netherlands
Copyright 2014 iamvfx@gmail.com
Copyright (c) 2017 Paul Fultz II compose.cpp Distributed under the Boost Software License Version
Copyright (c) 2014 fqiang
Copyright 2006 Thorsten Ottosen. Distributed under the Boost Software License Version
Copyright textcopyright Matthew Pulver 2018--2019
Copyright (c) 2011 Brian O'Kennedy
(C) Copyright 2010 Dean Michael Berris. <mikhailberis@gmail.com> Instead of using std tmpnam we use Boost.Filesystem's unique
Copyright 2014 Paul Fultz II placeholders
Copyright 2010, 2014 Neil Groves Distributed
Copyright 2004, 2013, 2017-2019 Cromwell D. Enage
Copyright 2006-2019 John Maddock. Distributed
Copyright 2002-2006 Pavol Droba
Copyright (c) 2010 Eric Jourdanneau Joel Falcou Distributed under the Boost Software License Version
Copyright 2012 Lee Hodgkinson
Copyright 2005 Trustees of Indiana University Authors Andrew Lumsdaine Douglas Gregor
Copyright 2017-2018 Nicholas Thompson
Copyright 2002-2003 Beman Dawes William E. Kempf
Copyright 2007-2008 Anthony Williams ifndef THREAD
Copyright 2005-2007 Douglas Gregor <doug.gregor@gmail.com>
Copyright 2012 Benjamin Sobotta
Copyright 2018 Evgeny Shulgin
Copyright 2006-2007, 2009-2010 Andy Tompkins. Distributed
Copyright 2003 Jonathan de Halleux (dehalleux@pelikhan.com)
Copyright 2006-2007 Julio M. Merino Vidal
Copyright 2007-2010 Andrew Sutton
Copyright (c) 2017 Paul Fultz II flow.cpp Distributed under the Boost Software License Version
Copyright 2000 Beman Dawes & John Maddock.
(C) Copyright Matthias Troyer 2006
Copyright 2013-2015 Nat Goodspeed
Copyright 2008-2018 Marshall Clow
Copyright 2018 Authors Rasmus Ahlberg
Copyright 2014 Kyle Lutz <kyle.r.lutz@gmail.com> Distributed

Copyright 2017 Dynatrace
Copyright 2008, 2014 Thijs van den Berg
Copyright 2001 Universite Joseph Fourier Grenoble. Author Francois Faure
Copyright 2015, 2017 Paul Fultz II rotate
Copyright 2016-2018 T. Zachary Laine
Copyright 2009-2016 Vladimir Batov
Copyright 2001-2002 Chris Uzdavinis
Copyright (c) 2015 Paul Fultz II callable
Copyright 2000 Jeremy Siek and Andrew Lumsdaine
Copyright 2013-2019 Vinnie Falco
Copyright 2004 Jonathan Brandmeyer
Copyright 2001-2004, 2006 Ralf W. Grosse-Kunstleve
Copyright 2017 Sergey Krivonos
Copyright 2004 Angus Leeming
Copyright (c) 2001 Ralf W. Grosse-Kunstleve. Distributed under the Boost Software License Version
Copyright 2006 Xiaogang Zhang
Copyright 2001 Francois Faure iMAGIS-GRAVIR UJF
Copyright 2010 Igor R
Copyright 2008 N. Musatti
Copyright 2001-2009 Daniel Nuffer
Copyright 2002 Robert Ramey-
Copyright 2006-2019 Paul A. Bristow
Copyright 2007 Douglas Gregor and Matthias Troyer
(C) Copyright Jens Mauer 2001
Copyright 2001 Gennadiy Rozental & Ullrich Koethe
Copyright (c) 2017-2017 Albert Sverdlov
Copyright 2007 Noel Belcourt
Copyright 2001 Dietmar Kuehl
Copyright 2005-2006 Shunsuke Sogame
Copyright 2009, 2014 Microsoft Corp
Copyright 2002 Craig Henderson
Copyright 2002 Indiana University. Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek
Copyright 2001-2012, 2014 Thomas Bernard
Copyright 2000, 2002 Frank Warmerdam
Copyright 20142014 Matei David
Copyright 2014 Marco Guazzone (marco.guazzone@gmail.com) Distributed
Copyright (c) 2016 Paul Fultz II intrinsics.hpp Distributed under the Boost Software License Version
Copyright 2003-2007 Jonathan Turkanis
Copyright 2012-2013 Rajeev Singh
Copyright 2009-2010 Tim Blechmann Distributed
Copyright 2009 Troy D. Straszheim
Copyright 2003-2004 Jeremy B. Maitin-Shepard
Copyright 2011 Francois Mauger
Copyright 2017 Michel Morin
Copyright (c) 2017 Paul Fultz II decorate.cpp Distributed under the Boost Software License Version
Copyright 2019 Austin Beer
Copyright 2014-2017 Paul Fultz II static
Copyright (C) 2001 Douglas Gregor (gregod@cs.rpi.edu)
Copyright 2003 Rational Discovery LLC. Distributed
Copyright 2002-2006 Gennaro Prota
Copyright 2007-2008 Joseph Gauterin
Copyright 2013 Niall Douglas additions for colors and alignment
Copyright (c) 2004 Robert Ramey Indiana University (garcia@osl.iu.edu) Andrew Lumsdaine Indiana University (lums@osl.iu.edu). Use
modification and distribution is subject to the Boost Software
Copyright 2014 Paul Fultz II reveal
Copyright 2015 Oracle and or its affiliates. Contributed and or modified by Menelaos Karavelas on behalf of Oracle
Copyright (C) 2008 2009 2016 Tim Blechmann based on code by Cory Nelson
(C) Copyright 2006 Boris Gubenko. HP-UX has

copyright 2002 2003 2004 2005 2010 2014 2015 Joel de Guzman Dan Marsden Thomas Heller John Fletcher
Copyright (c) 2017 Paul Fultz II CMakeLists.txt Distributed under the Boost Software License Version
Copyright 2004 Robert Ramey and Martin Ecker
Copyright (c) 2011 Paul A. Bristow - filename changes for boost-trunk.
Copyright 2001 Thomas Flemming tf@ttqv.com
Copyright 2009 Trustees of Indiana University. Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek Michael Hansen
Copyright 2001-2002 Jeremy G. Siek Andrew Lumsdaine Lie-Quan Lee
Copyright 2011 Paul A. Bristow To incorporate into Boost.Math
Copyright 2012 Paul Fultz II implicit
Copyright 2000-2008 Fernando Luis Cacciola Carballal
Copyright 2005-2018 Daniel James. Distributed
Copyright (c) 2017 Paul Fultz II flip.cpp Distributed under the Boost Software License Version
Copyright 2005-2008 Adobe Systems Inc
(C) Copyright 2010 Dean Michael Berris. Instead of using the potentially dangrous tempnam function that's part of the C standard library on Unix Linux we use the more portable and
Copyright (c) 2017 Paul Fultz II tap.cpp Distributed under the Boost Software License Version
Copyright 2012-2013 Andreas Angelopoulos
Copyright 2002 Marc Wintermantel (wintermantel@even-ag.ch) ETH Zurich Center of Structure Technologies
(C) Copyright 2004 Douglas Gregor and Jeremy Siek Distributed under the Boost Software License Version
Copyright 2001 Lie-Quan Lee
Copyright 2006 Trustees of Indiana University Authors Douglas Gregor and Jeremy Siek
Copyright 2003-2014 Neil Groves
Copyright 2014 Paul Fultz II protect
Copyright (c) 2013 Agust
Copyright (c) 2017 Paul Fultz II placeholders.cpp Distributed under the Boost Software License Version
Copyright 2014-2015 John Fletcher Distributed
(C) Copyright 2007 Andreas Kloeckner
Copyright 2015 Oliver Kowalke Nat Goodspeed
(C) Copyright Thomas Claveirole 2010
Copyright 2001 Mat Marcus Jesse Jones and Adobe Systems Inc
Copyright 2000, 2010 Dave Abrahams Steve Cleary Beman Dawes Howard Hinnant and John Maddock
Copyright 2006-2015, 2018 Steven Watanabe
Copyright 2000 Cadenza New Zealand Ltd
Copyright 2008-2019 Lorenzo Caminiti
Copyright 2018 Oracle and or its affiliates Contributed and or modified by Adam Wulkiewicz on behalf of Oracle
Copyright 2013-2014 Rastko Anicic <anicic.rastko@gmail.com>
Copyright 2005-2009 JongSoo Park
Copyright 1999 Greg Colvin
Copyright 2012 Lucanus Simonson
Copyright (c) 2017 Paul Fultz II lift.cpp Distributed under the Boost Software License Version
Copyright 2013-2016 Modified Work Barrett Adair
Copyright 2013 Eurodecision
Copyright (c) 2008 samaxes.com
Copyright 2001-2015 Gennadiy Rozental
Copyright 2005 Keith MacDonald
Copyright 2001-2003 William E. Kempf
Copyright 2011 Kwan Ting Chan Based from bug report submitted by Xiaohan Wang
Copyright 2013 Pascal Germroth Distributed
Copyright 2011 Stefan Seefeld. Distributed under the Boost Software License Version
Copyright (C) 2003 by Cosmin Truta. For conditions of distribution and use see
Copyright (c) 2017 Paul Fultz II proj.cpp Distributed under the Boost Software License Version
Copyright 2001-2002 Chuck Allison and Jeremy Siek
Copyright 2019, 2211 Miral Shah < miralshah2211@gmail.com>
Copyright 2006-2007 Daryle Walker Hubert Holin John Maddock
Copyright 2011-2012 Jeff Flinn Boris Schaeling
Copyright 2001-2002 Bill Kempf
Copyright © 2013 Jakob Lykke Andersen University of Southern Denmark
Copyright 2017 Abel Sinkovics. Distributed

Copyright 2009 Trustees of Indiana University Author Jeremiah Willcock
Copyright 1998-2018 Joel de Guzman Hartmut Kaiser
Copyright 2014 Christopher Kormanyos John Maddock and Paul A. Bristow. Distributed
Copyright 2013-2014 Anton Bikineev
Copyright 2014, 2804 Fabian Khler <fabian2804@googlemail.com>
Copyright (c) 2011 Joerg Becker
Copyright 2017 NVIDIA CORPORATION. Use modification and distribution are subject to the Boost Software License Version
Copyright 2006-2007 Roland Schwarz
Copyright 2010 Nuovation System Designs LLC
Copyright 2002-2013 Thorsten Ottosen
(C) Copyright 2006 David Abrahams - [http www.boost.org](http://www.boost.org). implementation of class export functionality. This is an alternative to forward declaration method to provoke instantiation of derived classes
Copyright 2002-2015 David Abrahams Stefan Seefeld
(C) Copyright 2015 Kyle Lutz Distributed under the Boost Software License Version
Copyright 2005-2006, 2015 Ion Gaztaaga
Copyright (c) 2017 Paul Fultz II `identity.cpp` Distributed under the Boost Software License Version
Copyright 2006-2007 Boris Gubenko
(C) Copyright Dave Abrahams and Daniel Walker 1999-2003
Copyright (c) 2017 Paul Fultz II `limit.cpp` Distributed under the Boost Software License Version
Copyright Sebastian Redl 2009
Copyright 2007 Frank Birbacher
Copyright 1995-2017 Jean-loup Gailly Mark Adler
Copyright 2015 Seth Heeren
Copyright (c) 2011 Paul A. Bristow incorporated Boost.Math
Copyright (c) 2011 Laurent Gomila
Copyright 1997-2001 University of Notre Dame. Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek
Copyright 2007-2012 Christian Henning Andreas Pokorny
Copyright (c) 2016 Paul Fultz II `using.hpp` Distributed under the Boost Software License Version
Copyright 2017 Sergey Krivonos and Edward Diener
Copyright (c) 2003 Giovanni Bajo Copyrigh
Copyright 2012, 2015 Joel Falcou
Copyright (c) 2009-2017 Barend Gehrels Geodan Amsterdam the Netherlands.
Copyright 2009-2012 Vicente J.Botet Escriba.
Copyright (c) 2011 Dean Michael Berries
Copyright 2010 Gaetano Mendola
Copyright 2012-2013 Karsten Ahnert Distributed
Copyright 1999-2006, 2009 David Abrahams
Copyright 2003-2008 Thorsten Ottosen Neil Groves
Copyright 2000-2007 Joerg Walter Mathias Koch Gunter Winkler Michael Stevens
Copyright 2013 Sergue E. Leontiev
Copyright 2004 Kris Beevers
Copyright (c) 2017 Paul Fultz II `issue8.cpp` Distributed under the Boost Software License Version
Copyright 2003 David Abrahams and Gottfried Ganssauge
Copyright 2000-2004 Joerg Walter Mathias Koch
Copyright (c) 2003 Jonathan de Halleux [http spirit.sourceforge.net](http://spirit.sourceforge.net) [http www.boost.org](http://www.boost.org) `libs spirit`
Copyright (c) 2009 Spirent Communications Inc.
Copyright 2004-2006 David Abrahams & Ralf W. Grosse-Kunsteve
Copyright 2015 Paul Fultz II `lift`
Copyright 2008 Matyas Egyhazy
Copyright 2006 Tiago de Paula Peixoto <tiago@forked.de>
Copyright 2002-2005 Guillaume Melquiond
Copyright (c) 2017 Paul Fultz II `combine.cpp` Distributed under the Boost Software License Version
Copyright (c) 2017 Paul Fultz II `lazy.cpp` Distributed under the Boost Software License Version
Copyright 2010, 2015-2019 nbsp;
Copyright 2011 Aaron Graham
Copyright 2000-2011 Joerg Walter Mathias Koch David Bellot
Copyright 1995-2017 Jean-loup Gailly and Mark Adler
Copyright 2009-2019 Adam Wulkiewicz Lodz Poland

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice (including the next paragraph) shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

```
# Copyright 2021 Xilinx, Inc.
#
# Licensed under the Apache License, Version 2.0 (the "License");
# you may not use this file except in compliance with the License.
# You may obtain a copy of the License at
#
# http://www.apache.org/licenses/LICENSE-2.0
#
# Unless required by applicable law or agreed to in writing, software
# distributed under the License is distributed on an "AS IS" BASIS,
# WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
# See the License for the specific language governing permissions and
# limitations under the License.
```

Copyright 2020-2022 Xilinx Inc

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright 2002-2006 Python Software Foundation. All rights reserved.
Copyright 2014 Pallets
Copyright 2001-2006 Gregory P. Ward. All rights reserved.

```
click version 8.0.1
<<<<<<<xilinx-separator>>>>>>>
```

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holder nor the names of its

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

```
click version 8.1.8
<<<<<<<xilinx-separator>>>>>>>>
```

Copyright 2014 Pallets

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright 2001-2006 Gregory P. Ward
Copyright 2002-2006 Python Software Foundation
import typing as
Copyright 2014 Pallets
Copyright 2002-2006 Python Software Foundation

The text of the Eclipse Public License, version 1.0, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

* Copyright (C) 2001-2011, Lehigh University, Yan Xu, and Ted Ralphs. *

* All Rights Reserved

```
coin-or-clp version 1.14.5
<<<<<<<<xilinx-separator>>>>>>>>

The text of the Eclipse Public License, version 1.0, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).
// Copyright (C) 2003, International Business Machines
// Corporation and others. All Rights Reserved.
Copyright 1997, 2009 IBM Corp
Copyright 2006 International Business Machines and others
Copyright 1994-2005 Free Software Foundation Inc
Copyright 2000, 2002-2004, 2007-2009 International Business Machines Corp and others
```

coin-or-coinutils version 2.8.5
<<<<<<<xilinx-separator>>>>>>>
The text of the Eclipse Public License, version 1.0, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).
Copyright 1984, 1989-1990, 2000-2003 Free Software Foundation Inc
Copyright 2005 COIN-OR
Copyright 2003 Francois Margot International Business Machines Corp and others
Copyright 2004, 2006 International Business Machines and others
Copyright 1987, 2000, 2002-2009, 2011 International Business Machines Corp and others
Copyright (c) 2002-2011 Bjarni Kristjansson

```
coin-or-cppad version 20110101.50
<<<<<<<<xilinx-separator>>>>>>>

/* -----
CppAD: C++ Algorithmic Differentiation: Copyright (C) 2003-06 Bradley M. Bell

CppAD is distributed under multiple licenses. This distribution is under
the terms of the
    Common Public License Version 1.0.

A copy of this license is included in the COPYING file of this distribution.
Please visit http://www.coin-or.org/CppAD/ for information on other licenses.
----- */
```

Copyright 2007 International Business Machines Corp
Copyright 2002-2011 Lehigh University Matthew Galati Ted Ralphs
Copyright 2003 Bradley M. Bell
Copyright 2001-2011 Lehigh University Yan Xu and Ted Ralphs

```
coin-or-dip version 0.83.0
<<<<<<<xilinx-separator>>>>>>>
```

The text of the Eclipse Public License, version 1.0, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

Copyright (C) 2002-2011, Lehigh University, Matthew Galati, Ted Ralphs //

// All Rights Reserved.

The text of the Eclipse Public License, version 1.0, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

Copyright (C) 2005 -- 2007 Lou Hafer

The text of the Eclipse Public License, version 1.0, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

Copyright 2005-2011 Horand Gassmann Jun Ma Kipp Martin Dalhousie University Northwestern University and the University of Chicago

Copyright (C) 2005 -- 2010 Lou Hafer

Copyright 2005-2011 Robert Fourer Horand Gassmann Jun Ma Kipp Martin Northwestern University Dalhousie University and the University of Chicago

Copyright 2004-2006 Ted Ralphs and Lehigh University

Copyright 2000, 2002-2003, 2005-2006 International Business Machines

Copyright 2003-2004, 2007 Lou Hafer International Business Machines Corp and others

Copyright 2005-2011 Robert Fourer Horand Gassmann Jun Ma Kipp Martin Dalhousie University Northwestern University and the University of Chicago

Copyright (C) 2002 2003 2004. Lou Hafer Stephen Tse International Business Machines Corporation and others. All Rights Reserved.

Copyright 2000, 2002-2003, 2005-2006 International Business Machines Corp and others

Copyright 2007 Lou Hafer and others

Copyright (c) 2010 Jonathan Hartley
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of the copyright holders, nor those of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED

WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright 2010, 2013 Jonathan Hartley
Copyright Jonathan Hartley & Arnon Yaari 2013-2020

```
colorama version 0.4.5
<<<<<<<xilinx-separator>>>>>>>>
```

Copyright (c) 2010 Jonathan Hartley
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of the copyright holders, nor those of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright 2010, 2013 Jonathan Hartley
Copyright Jonathan Hartley & Arnon Yaari 2013-2020

```
colorama version 0.4.6
<<<<<<<xilinx-separator>>>>>>>>
```

Copyright (c) 2010 Jonathan Hartley

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of the copyright holders, nor those of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright 2010, 2013 Jonathan Hartley
Copyright Jonathan Hartley & Arnon Yaari 2013-2020

```
commonmark version 0.9.1
<<<<<<<xilinx-separator>>>>>>>
```

Copyright (c) 2014, Bibek Kafle and Roland Shoemaker

Based on stmd.js: Copyright (c) 2014, John MacFarlane

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the names of Bibek Kafle, Roland Shoemaker nor the names of other contributors may be used to endorse or promote products derived from this software without specific prior written permission.

Copyright 2014 Bibek Kafle and Roland Shoemaker
Copyright (c) 2014 John MacFarlane

```
compiledb version 0.10.1
<<<<<<<xilinx-separator>>>>>>>
```

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <<http://fsf.org/>>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they

know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying,

distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

1. Source Code.

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.

4. Conveying Verbatim Copies.

You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the

terms of section 4, provided that you also meet all of these conditions:

- a) The work must carry prominent notices stating that you modified it, and giving a relevant date.
- b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".
- c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.
- d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

- a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.
- b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.
- c) Convey individual copies of the object code with a copy of the

written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

- a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or
- b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or
- c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or
- d) Limiting the use for publicity purposes of names of licensors or authors of the material; or
- e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or
- f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on

those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.

9. Acceptance Not Required for Having Copies.

You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a

covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a

publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.

12. No Surrender of Others' Freedom.

If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License,

section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the

Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

```
{one line to give the program's name and a brief idea of what it does.}
Copyright (C) {year} {name of author}
```

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

```
{project} Copyright (C) {year} {fullname}
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

MIT License

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED *AS IS*, WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

```
debugpy version 1.8.12
<<<<<<<xilinx-separator>>>>>>>
```

debugpy

Copyright (c) Microsoft Corporation
All rights reserved.

MIT License

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED *AS IS*, WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

MIT License

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED *AS IS*, WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

```
defusedxml version 0.7.1
<<<<<<<xilinx-separator>>>>>>>>
```

PYTHON SOFTWARE FOUNDATION LICENSE VERSION 2

1. This LICENSE AGREEMENT is between the Python Software Foundation ("PSF"), and the Individual or Organization ("Licensee") accessing and otherwise using this software ("Python") in source or binary form and its associated documentation.

2. Subject to the terms and conditions of this License Agreement, PSF hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python alone or in any derivative version, provided, however, that PSF's License Agreement and PSF's notice of copyright, i.e., "Copyright (c) 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008 Python Software Foundation; All Rights Reserved" are retained in Python alone or in any derivative version prepared by Licensee.

3. In the event Licensee prepares a derivative work that is based on or incorporates Python or any part thereof, and wants to make the derivative work available to others as provided herein, then

Licensee hereby agrees to include in any such work a brief summary of the changes made to Python.

4. PSF is making Python available to Licensee on an "AS IS" basis. PSF MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, PSF MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

5. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

7. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between PSF and Licensee. This License Agreement does not grant permission to use PSF trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By copying, installing or otherwise using Python, Licensee agrees to be bound by the terms and conditions of this License Agreement.

```
devicetree version 0.0.2
<<<<<<<xilinx-separator>>>>>>>
```

```
# Copyright 2009-2013, 2019 Peter A. Bigot
#
# SPDX-License-Identifier: Apache-2.0
```

>>>>

Copyright (c) 2019, Nordic Semiconductor
SPDX-License-Identifier: BSD-3-Clause

Copyright 2009-2013 Peter A. Bigot
Copyright (c) 2021 Nordic Semiconductor ASA SPDX-License-Identifier Apache-2.0
Copyright (c) 2019 Nordic Semiconductor
Copyright (c) 2019 Linaro Limited SPDX-License-Identifier BSD-2-Clause
Copyright (c) 2019 Nordic Semiconductor SPDX-License-Identifier BSD-2-Clause
Copyright 2019, 2021 Nordic Semiconductor ASA

```
eclipse-dltk.core version 5.4.0
<<<<<<<xilinx-separator>>>>>>>
```

Eclipse Public License - v 1.0

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS ECLIPSE PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

1. DEFINITIONS

"Contribution" means:

a) in the case of the initial Contributor, the initial code and documentation distributed under this Agreement, and

b) in the case of each subsequent Contributor:

i) changes to the Program, and

ii) additions to the Program;

where such changes and/or additions to the Program originate from and are distributed by that particular Contributor. A Contribution 'originates' from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. Contributions do not include additions to the Program which: (i) are separate modules of software distributed in conjunction with the Program under their own license agreement, and (ii) are not derivative works of the Program.

"Contributor" means any person or entity that distributes the Program.

"Licensed Patents " mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

"Program" means the Contributions distributed in accordance with this Agreement.

"Recipient" means anyone who receives the Program under this Agreement, including all Contributors.

2. GRANT OF RIGHTS

a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and object code form.

b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

a) it complies with the terms and conditions of this Agreement; and

b) its license agreement:

i) effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;

ii) effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;

iii) states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and

iv) states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

When the Program is made available in source code form:

- a) it must be made available under this Agreement; and
- b) a copy of this Agreement must be included with each copy of the Program.

Contributors may not remove or alter any copyright notices contained within the Program.

Each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution.

4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. The Eclipse Foundation is the initial Agreement Steward. The Eclipse Foundation may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.

This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.

```
eclipse-dltk.core version 6.1
<<<<<<<xilinx-separator>>>>>>>
```

The text of the Eclipse Public License, Version 2.0, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

Copyright 2014 Alex Panchenko
Copyright 2007-2011, 2016-2019 xored software Inc. and others
Copyright (c) 2016 Johan Compagnern and others. This program and the accompanying materials are made available under the terms of the Eclipse Public License
Copyright 2016, 2020 Dawid Pakua and others
Copyright 2007, 2017 Wind River Systems Inc. and others
Copyright 2002, 2005 xored software and others
Copyright 2016-2017 Jae Gangemi and others
Copyright (c) 2015 Dawid Pakula and others. This program and the accompanying materials are made available under the terms of the Eclipse Public License
Copyright 2000-2011, 2015-2020, 2087 IBM Corp and others
Copyright 2011-2013, 2016-2017 NumberFour AG
Copyright (c) 2017 Alex Xu and others. This program and the accompanying materials are made available under the terms of the Eclipse Public License
Copyright 2008-2011, 2015-2018 xored software Inc
Copyright (c) 2007 2017 Dakshinamurthy Karra IBM Corporation and others. This program and the accompanying materials are made available under the terms of the Eclipse Public License
Copyright 2011-2012, 2016-2018 NumberFour AG and others
Copyright 2016 Zend Technologies and others
Copyright (c) 2010 2013 xored software Inc and others.

eclipse-emf version 2.14.0

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS ECLIPSE PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

"Contribution" means:

b) in the case of each subsequent Contributor:

- i) changes to the Program, and
- ii) additions to the Program;

where such changes and/or additions to the Program originate from and are Distributed by that particular Contributor. A Contribution "originates" from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. Contributions do not include changes or additions to the Program that are not Modified Works.

"Contributor" means any person or entity that Distributes the Program.

"Licensed Patents" mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

"Program" means the Contributions Distributed in accordance with this Agreement.

"Recipient" means anyone who receives the Program under this Agreement or any Secondary License (as applicable), including Contributors.

"Derivative Works" shall mean any work, whether in Source Code or other form, that is based on (or derived from) the Program and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship.

"Modified Works" shall mean any work in Source Code or other form that results from an addition to, deletion from, or modification of the contents of the Program, including, for purposes of clarity any new file in Source Code form that contains any contents of the Program. Modified Works shall not include works that contain only declarations, interfaces, types, classes, structures, or files of the Program solely in each case in order to link to, bind by name, or subclass the Program or Modified Works thereof.

"Distribute" means the acts of a) distributing or b) making available in any manner that enables the transfer of a copy.

"Source Code" means the form of a Program preferred for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Secondary License" means either the GNU General Public License, Version 2.0, or any later versions of that license, including any exceptions or additional permissions as identified by the initial Contributor.

a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, Distribute and sublicense the Contribution of such Contributor, if any, and such Derivative Works.

b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in Source Code or other form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to Distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

e) Notwithstanding the terms of any Secondary License, no Contributor makes additional grants to any Recipient (other than those set forth in this Agreement) as a result of such Recipient's receipt of the Program under the terms of a Secondary License (if permitted under the terms of Section 3).

3. REQUIREMENTS

3.1 If a Contributor Distributes the Program in any form, then:

a) the Program must also be made available as Source Code, in accordance with section 3.2, and the Contributor must accompany the Program with a statement that the Source Code for the Program is available under this Agreement, and informs Recipients how to obtain it in a reasonable manner on or through a medium customarily used for software exchange; and

b) the Contributor may Distribute the Program under a license different than this Agreement, provided that such license:

i) effectively disclaims on behalf of all other Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;

ii) effectively excludes on behalf of all other Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;

iii) does not attempt to limit or alter the recipients' rights in the Source Code under section 3.2; and

iv) requires any subsequent distribution of the Program by any party to be under a license that satisfies the requirements of this section 3.

3.2 When the Program is Distributed as Source Code:

a) it must be made available under this Agreement, or if the Program (i) is combined with other material in a separate file or files made available under a Secondary License, and (ii) the initial Contributor attached to the Source Code the notice described in Exhibit A of this Agreement, then the Program may be made available under the terms of such Secondary Licenses, and

b) a copy of this Agreement must be included with each copy of the Program.

3.3 Contributors may not remove or alter any copyright, patent, trademark, attribution notices, disclaimers of warranty, or limitations of liability (" notices") contained within the Program from any copy of the Program which they Distribute, provided that Contributors may add their own appropriate notices.

4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. The Eclipse Foundation is the initial Agreement Steward. The Eclipse Foundation may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be Distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to Distribute the Program (including its Contributions) under the new version.

Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved. Nothing in this Agreement is intended to be enforceable by any entity that is not a Contributor or Recipient. No third-party beneficiary rights are created under this Agreement.

Exhibit A - Form of Secondary Licenses Notice

"This Source Code may also be made available under the following Secondary Licenses when the conditions for such availability set forth in the Eclipse Public License, v. 2.0 are satisfied: {name license(s), version(s), and exceptions or additional permissions here}."

Simply including a copy of this Agreement, including this Exhibit A is not sufficient to license the Source Code under Secondary Licenses.

If it is not possible or desirable to put the notice in a particular file, then You may include the notice in a location (such as a LICENSE file in a relevant directory) where a recipient would be likely to look for such a notice.

You may add additional accurate notices of copyright ownership.

eclipse-equinox version 2.4.700

```
<<<<<<<xilinx-separator>>>>>>>>>
```

The text of the Eclipse Public License, Version 1.0, a copy of which is made available below in this document, was originally presented here, or as applicable, applies to the above-listed file(s).

eclipse-jetty.project version 11.0.18

```
<<<<<<<xilinx-separator>>>>>>>>
```

>>> EPL 2.0 and Apache license

Eclipse Public License - v 2.0

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS ECLIPSE PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

1. DEFINITIONS

"Contribution" means:

a) in the case of the initial Contributor, the initial content Distributed under this Agreement, and

b) in the case of each subsequent Contributor:

i) changes to the Program, and

ii) additions to the Program;

where such changes and/or additions to the Program originate from and are Distributed by that particular Contributor. A Contribution "originates" from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. Contributions do not include changes or additions to the Program that are not Modified Works.

"Contributor" means any person or entity that Distributes the Program.

"Licensed Patents" mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

"Program" means the Contributions Distributed in accordance with this Agreement.

"Recipient" means anyone who receives the Program under this Agreement or any Secondary License (as applicable), including Contributors.

"Derivative Works" shall mean any work, whether in Source Code or other form, that is based on (or derived from) the Program and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship.

"Modified Works" shall mean any work in Source Code or other form that results from an addition to, deletion from, or modification of the contents of the Program, including, for purposes of clarity any new file in Source Code form that contains any contents of the Program. Modified Works shall not include works that contain only declarations, interfaces, types, classes, structures, or files of the Program solely in each case in order to link to, bind by name, or subclass the Program or Modified Works thereof.

"Distribute" means the acts of a) distributing or b) making available in any manner that enables the transfer of a copy.

"Source Code" means the form of a Program preferred for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Secondary License" means either the GNU General Public License, Version 2.0, or any later versions of that license, including any exceptions or additional permissions as identified by the initial Contributor.

2. GRANT OF RIGHTS

a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, Distribute and sublicense the Contribution of such Contributor, if any, and such Derivative Works.

b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in Source Code or other form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to Distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

e) Notwithstanding the terms of any Secondary License, no Contributor makes additional grants to any Recipient (other than those set forth in this Agreement) as a result of such Recipient's receipt of the Program under the terms of a Secondary License (if permitted under the terms of Section 3).

3. REQUIREMENTS

3.1 If a Contributor Distributes the Program in any form, then:

a) the Program must also be made available as Source Code, in accordance with section 3.2, and the Contributor must accompany the Program with a statement that the Source Code for the Program is available under this Agreement, and informs Recipients how to

obtain it in a reasonable manner on or through a medium customarily used for software exchange; and

- b) the Contributor may Distribute the Program under a license different than this Agreement, provided that such license:
 - i) effectively disclaims on behalf of all other Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;
 - ii) effectively excludes on behalf of all other Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;
 - iii) does not attempt to limit or alter the recipients' rights in the Source Code under section 3.2; and
 - iv) requires any subsequent distribution of the Program by any party to be under a license that satisfies the requirements of this section 3.

3.2 When the Program is Distributed as Source Code:

- a) it must be made available under this Agreement, or if the Program (i) is combined with other material in a separate file or files made available under a Secondary License, and (ii) the initial Contributor attached to the Source Code the notice described in Exhibit A of this Agreement, then the Program may be made available under the terms of such Secondary Licenses, and
- b) a copy of this Agreement must be included with each copy of the Program.

3.3 Contributors may not remove or alter any copyright, patent, trademark, attribution notices, disclaimers of warranty, or limitations of liability ("notices") contained within the Program from any copy of the Program which they Distribute, provided that Contributors may add their own appropriate notices.

4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified

Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. The Eclipse Foundation is the initial Agreement Steward. The Eclipse Foundation may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be Distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to Distribute the Program (including its Contributions) under the new version.

Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved. Nothing in this Agreement is intended to be enforceable by any entity that is not a Contributor or Recipient. No third-party beneficiary rights are created under this Agreement.

Exhibit A - Form of Secondary Licenses Notice

"This Source Code may also be made available under the following Secondary Licenses when the conditions for such availability set forth in the Eclipse Public License, v. 2.0 are satisfied: {name license(s), version(s), and exceptions or additional permissions here}."

Simply including a copy of this Agreement, including this Exhibit A is not sufficient to license the Source Code under Secondary Licenses.

If it is not possible or desirable to put the notice in a particular file, then You may include the notice in a location (such as a LICENSE file in a relevant directory) where a recipient would be likely to look for such a notice.

You may add additional accurate notices of copyright ownership.

Apache License
Version 2.0, January 2004
<http://www.apache.org/licenses/>

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of

this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

- (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and
- (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
- (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
- (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions

for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions.

Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include

[Public]

the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

SPDX-License-Identifier: EPL-2.0 OR Apache-2.0

>>> CDDL 1.0, GPLv2 with classpath exception, bsd 3,

Notices for Eclipse Jetty

=====

This content is produced and maintained by the Eclipse Jetty project.

Project home: <https://www.eclipse.org/jetty/>

Trademarks

Eclipse Jetty, and Jetty are trademarks of the Eclipse Foundation.

Copyright

All contributions are the property of the respective authors or of
entities to which copyright has been assigned by the authors (eg. employer).

Declared Project Licenses

This artifacts of this project are made available under the terms of:

* the Eclipse Public License v2.0
<https://www.eclipse.org/legal/epl-2.0>
SPDX-License-Identifier: EPL-2.0

or

* the Apache License, Version 2.0
<https://www.apache.org/licenses/LICENSE-2.0>
SPDX-License-Identifier: Apache-2.0

The following dependencies are EPL.

* org.eclipse.jetty.orbit:org.eclipse.jdt.core

[Public]

The following dependencies are EPL and ASL2.

- * org.eclipse.jetty.orbit:javax.security.auth.message

The following dependencies are EPL and CDDL 1.0.

- * org.eclipse.jetty.orbit:javax.mail.glassfish

The following dependencies are CDDL + GPLv2 with classpath exception.

<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

- * javax.servlet:javax.servlet-api
- * javax.annotation:javax.annotation-api
- * javax.transaction:javax.transaction-api
- * javax.websocket:javax.websocket-api

The following dependencies are licensed by the OW2 Foundation according to the terms of <http://asm.ow2.org/license.html>

- * org.ow2.asm:asm-commons
- * org.ow2.asm:asm

The following dependencies are ASL2 licensed.

- * org.apache.taglibs:taglibs-standard-spec
- * org.apache.taglibs:taglibs-standard-impl

The following dependencies are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

- * org.mortbay.jasper:apache-jsp
- * org.apache.tomcat:tomcat-jasper
- * org.apache.tomcat:tomcat-juli
- * org.apache.tomcat:tomcat-jsp-api
- * org.apache.tomcat:tomcat-el-api
- * org.apache.tomcat:tomcat-jasper-el
- * org.apache.tomcat:tomcat-api
- * org.apache.tomcat:tomcat-util-scan
- * org.apache.tomcat:tomcat-util
- * org.mortbay.jasper:apache-el
- * org.apache.tomcat:tomcat-jasper-el
- * org.apache.tomcat:tomcat-el-api

The following artifacts are CDDL + GPLv2 with classpath exception.

<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

- * org.eclipse.jetty.toolchain:jetty-schemas

Cryptography

Content may contain encryption software. The country in which you are currently may have restrictions on the import, possession, and use, and/or re-export to another country, of encryption software. BEFORE using any encryption software, please check the country's laws, regulations and policies concerning the import, possession, or use, and re-export of encryption software, to see if this is permitted.

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville.

Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies.

Copyright 1996 Aki Yoshida modified April
Copyright 1996 Aki Yoshida
Copyright 1995-2012 Sabre Holdings and others. -----
Copyright 2008-2017 Hazelcast Inc
Copyright 1995-2022 Mort Bay Consulting Pty Ltd and others. --
Copyright 1998 Hewlett-Packard Co
Copyright 2008-2009 Bjoern Hoehrmann <bjoern@hoehrmann.de>
Copyright 2002 The Apache Software Foundation

```
eclipse-tcf-python-code version 1.7
<<<<<<<xilinx-separator>>>>>>>
```

>>>Eclipse Public License, Version 2.0

The text of the Eclipse Public License, Version 2.0, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s)

Copyright 2000, 2004-2021 QNX Software Systems and others
Copyright 2004, 2013-2014 Tasktop Technologies and others
Copyright 2013-2016 MontaVista Software LLC. and others
(c) Copyright PalmSource Inc. Wind River Systems Inc. and others 2006 2016
Copyright (c) 2008 2011 MontaVista Software Inc. and others. All rights reserved. This program and the accompanying materials are made available under the terms of the Eclipse Public License
Copyright 2006-2007, 2011, 2014-2016 Wind River Systems Inc
Copyright 2006-2202 Wind River Systems Inc. and others
Copyright 2000, 2005-2015 IBM Corp and others
Copyright 2010-2011, 2013 Intel Corp. and others
Copyright (c) 2012 2014 MontaVista Software LLC. This program and the accompanying materials are made available under the terms of the Eclipse Public License
Copyright 2008, 2011 Anyware Technologies and others
Copyright 2006, 2015-2016, 2018 PalmSource Inc. and others
Copyright 2010-2011 Freescale Semiconductor Inc. and others
Copyright 2010, 2012, 2015-2016 Mentor Graphics Corp and others
Copyright 2012-2020 Xilinx Inc. and others
Copyright 2006, 2008-2012, 2014 Wind River Systems and others
Copyright (c) 2006 2013 Wind River Systems Inc. Intel Corporation and others. All rights reserved. This program and the accompanying materials are made available under the terms of the Eclipse Public License

```
entrypoints version 0.3
<<<<<<<xilinx-separator>>>>>>>>
```

The MIT License (MIT)

Copyright (c) 2015 Thomas Kluyver and contributors

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights

[Public]

to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

entrypoints version 0.4
<<<<<<<<xilinx-separator>>>>>>>>>>>>>

The MIT License (MIT)

Copyright (c) 2015 Thomas Kluyver and contributors

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

executablebooks-markdown-it-py version 4.0.0
<<<<<<<<xilinx-separator>>>>>>>>>>>>>

Copyright (c) 2014 Vitaly Puzrin, Alex Kocharin.

Permission is hereby granted, free of charge, to any person

obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Parisa: Adding copyrights

```
This is pvar = ["/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/markdown_it_py-3.0.0.dist-info/WHEEL",
"/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/markdown_it_py-3.0.0.dist-info/RECORD",
"/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/markdown_it_py-3.0.0.dist-info/METADATA",
"/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/markdown_it_py-3.0.0.dist-info/INSTALLER",
"/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/markdown_it_py-3.0.0.dist-info/entry_points.txt",
"/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/markdown_it_py-3.0.0.dist-info/LICENSE",
"/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/markdown_it/_punycode.py", "/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/markdown_it_py-3.0.0.dist-info/LICENSE.markdown-it"]
```

Copyright 2021 Taneli Hukkinen

Copyright (c) 2020 ExecutableBookProject

Copyright 2014 Mathias Bynens

Copyright 2014 Vitaly Puzrin Alex Kocharin

```
executing version 2.1.0
<<<<<<<xilinx-separator>>>>>>>>
```

MIT License

Copyright (c) 2019 Alex Hall

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,

FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

```
executing version 2.2.0
<<<<<<<xilinx-separator>>>>>>>>
```

MIT License

Copyright (c) 2019 Alex Hall

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright 2019, 2021 Alex Hall

```
facebook-zstd version 1.5.5
<<<<<<<xilinx-separator>>>>>>>>
```

Zstandard is dual-licensed under BSD and GPLv2.

>>> BSD 3
BSD License

For Zstandard software

Copyright (c) Meta Platforms, Inc. and affiliates. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this

list of conditions and the following disclaimer.

- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name Facebook, nor Meta, nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

>>> GPLv2

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the

source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
- b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
- c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

- a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
- b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
- c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you

received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,

REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

```
<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>
```

```
This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.
```

```
This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.
```

```
You should have received a copy of the GNU General Public License along
with this program; if not, write to the Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.
```

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your

ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

```
fastxml version 1.0.0
<<<<<<<xilinx-separator>>>>>>>>
```

The text of the Apache License, Version 2.0, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

```
flatbuffers version 25.2.10
<<<<<<<xilinx-separator>>>>>>>
```

The text of the Apache License, Version 2.0, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

fonttools version 4.59.2
<<<<<<<xilinx-separator>>>>>>>

The text of the MIT license, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

Copyright (c) 2017 Just van Rossum

```
fqn version 1.5.1
<<<<<<<xilinx-separator>>>>>>>>
```

Mozilla Public License Version 2.0

1. Definitions

1.1. "Contributor"

means each individual or legal entity that creates, contributes to the creation of, or owns Covered Software.

1.2. "Contributor Version"

means the combination of the Contributions of others (if any) used by a Contributor and that particular Contributor's Contribution.

1.3. "Contribution"

means Covered Software of a particular Contributor.

1.4. "Covered Software"

means Source Code Form to which the initial Contributor has attached the notice in Exhibit A, the Executable Form of such Source Code Form, and Modifications of such Source Code Form, in each case including portions thereof.

1.5. "Incompatible With Secondary Licenses"

means

(a) that the initial Contributor has attached the notice described in Exhibit B to the Covered Software; or

(b) that the Covered Software was made available under the terms of version 1.1 or earlier of the License, but not also under the terms of a Secondary License.

1.6. "Executable Form"

means any form of the work other than Source Code Form.

1.7. "Larger Work"

means a work that combines Covered Software with other material, in a separate file or files, that is not Covered Software.

1.8. "License"

means this document.

1.9. "Licensable"

means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently, any and all of the rights conveyed by this License.

1.10. "Modifications"

means any of the following:

(a) any file in Source Code Form that results from an addition to, deletion from, or modification of the contents of Covered Software; or

(b) any new file in Source Code Form that contains any Covered Software.

1.11. "Patent Claims" of a Contributor

means any patent claim(s), including without limitation, method, process, and apparatus claims, in any patent Licensable by such Contributor that would be infringed, but for the grant of the License, by the making, using, selling, offering for sale, having made, import, or transfer of either its Contributions or its Contributor Version.

1.12. "Secondary License"

means either the GNU General Public License, Version 2.0, the GNU Lesser General Public License, Version 2.1, the GNU Affero General Public License, Version 3.0, or any later versions of those licenses.

1.13. "Source Code Form"

means the form of the work preferred for making modifications.

1.14. "You" (or "Your")

means an individual or a legal entity exercising rights under this License. For legal entities, "You" includes any entity that controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants and Conditions

2.1. Grants

Each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

- (a) under intellectual property rights (other than patent or trademark) Licensable by such Contributor to use, reproduce, make available, modify, display, perform, distribute, and otherwise exploit its Contributions, either on an unmodified basis, with Modifications, or as part of a Larger Work; and
- (b) under Patent Claims of such Contributor to make, use, sell, offer for sale, have made, import, and otherwise transfer either its Contributions or its Contributor Version.

2.2. Effective Date

The licenses granted in Section 2.1 with respect to any Contribution become effective for each Contribution on the date the Contributor first distributes such Contribution.

2.3. Limitations on Grant Scope

The licenses granted in this Section 2 are the only rights granted under this License. No additional rights or licenses will be implied from the distribution or licensing of Covered Software under this License. Notwithstanding Section 2.1(b) above, no patent license is granted by a Contributor:

- (a) for any code that a Contributor has removed from Covered Software; or
- (b) for infringements caused by: (i) Your and any other third party's modifications of Covered Software, or (ii) the combination of its Contributions with other software (except as part of its Contributor Version); or
- (c) under Patent Claims infringed by Covered Software in the absence of its Contributions.

This License does not grant any rights in the trademarks, service marks, or logos of any Contributor (except as may be necessary to comply with the notice requirements in Section 3.4).

2.4. Subsequent Licenses

No Contributor makes additional grants as a result of Your choice to distribute the Covered Software under a subsequent version of this License (see Section 10.2) or under the terms of a Secondary License (if permitted under the terms of Section 3.3).

2.5. Representation

Each Contributor represents that the Contributor believes its Contributions are its original creation(s) or it has sufficient rights to grant the rights to its Contributions conveyed by this License.

2.6. Fair Use

This License is not intended to limit any rights You have under applicable copyright doctrines of fair use, fair dealing, or other equivalents.

2.7. Conditions

Sections 3.1, 3.2, 3.3, and 3.4 are conditions of the licenses granted in Section 2.1.

3. Responsibilities

3.1. Distribution of Source Form

All distribution of Covered Software in Source Code Form, including any Modifications that You create or to which You contribute, must be under the terms of this License. You must inform recipients that the Source Code Form of the Covered Software is governed by the terms of this License, and how they can obtain a copy of this License. You may not attempt to alter or restrict the recipients' rights in the Source Code Form.

3.2. Distribution of Executable Form

If You distribute Covered Software in Executable Form then:

- (a) such Covered Software must also be made available in Source Code Form, as described in Section 3.1, and You must inform recipients of the Executable Form how they can obtain a copy of such Source Code Form by reasonable means in a timely manner, at a charge no more than the cost of distribution to the recipient; and
- (b) You may distribute such Executable Form under the terms of this License, or sublicense it under different terms, provided that the license for the Executable Form does not attempt to limit or alter the recipients' rights in the Source Code Form under this License.

3.3. Distribution of a Larger Work

You may create and distribute a Larger Work under terms of Your choice, provided that You also comply with the requirements of this License for the Covered Software. If the Larger Work is a combination of Covered Software with a work governed by one or more Secondary Licenses, and the Covered Software is not Incompatible With Secondary Licenses, this

License permits You to additionally distribute such Covered Software under the terms of such Secondary License(s), so that the recipient of the Larger Work may, at their option, further distribute the Covered Software under the terms of either this License or such Secondary License(s).

3.4. Notices

You may not remove or alter the substance of any license notices (including copyright notices, patent notices, disclaimers of warranty, or limitations of liability) contained within the Source Code Form of the Covered Software, except that You may alter any license notices to the extent required to remedy known factual inaccuracies.

3.5. Application of Additional Terms

You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, You may do so only on Your own behalf, and not on behalf of any Contributor. You must make it absolutely clear that any such warranty, support, indemnity, or liability obligation is offered by You alone, and You hereby agree to indemnify every Contributor for any liability incurred by such Contributor as a result of warranty, support, indemnity or liability terms You offer. You may include additional disclaimers of warranty and limitations of liability specific to any jurisdiction.

4. Inability to Comply Due to Statute or Regulation

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Software due to statute, judicial order, or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be placed in a text file included with all distributions of the Covered Software under this License. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it.

5. Termination

5.1. The rights granted under this License will terminate automatically if You fail to comply with any of its terms. However, if You become compliant, then the rights granted under this License from a particular Contributor are reinstated (a) provisionally, unless and until such Contributor explicitly and finally terminates Your grants, and (b) on an ongoing basis, if such Contributor fails to notify You of the non-compliance by some reasonable means prior to 60 days after You have come back into compliance. Moreover, Your grants from a particular Contributor are reinstated on an ongoing basis if such Contributor notifies You of the non-compliance by some reasonable means, this is the first time You have received notice of non-compliance with this License from such Contributor, and You become compliant prior to 30 days after Your receipt of the notice.

5.2. If You initiate litigation against any entity by asserting a patent

infringement claim (excluding declaratory judgment actions, counter-claims, and cross-claims) alleging that a Contributor Version directly or indirectly infringes any patent, then the rights granted to You by any and all Contributors for the Covered Software under Section 2.1 of this License shall terminate.

5.3. In the event of termination under Sections 5.1 or 5.2 above, all end user license agreements (excluding distributors and resellers) which have been validly granted by You or Your distributors under this License prior to termination shall survive termination.

* * *

* 6. Disclaimer of Warranty *

* ----- *

* * *

* Covered Software is provided under this License on an "as is" *

* basis, without warranty of any kind, either expressed, implied, or *

* statutory, including, without limitation, warranties that the *

* Covered Software is free of defects, merchantable, fit for a *

* particular purpose or non-infringing. The entire risk as to the *

* quality and performance of the Covered Software is with You. *

* Should any Covered Software prove defective in any respect, You *

* (not any Contributor) assume the cost of any necessary servicing, *

* repair, or correction. This disclaimer of warranty constitutes an *

* essential part of this License. No use of any Covered Software is *

* authorized under this License except under this disclaimer. *

* * *

* * *

* 7. Limitation of Liability *

* ----- *

* * *

* Under no circumstances and under no legal theory, whether tort *

* (including negligence), contract, or otherwise, shall any *

* Contributor, or anyone who distributes Covered Software as *

* permitted above, be liable to You for any direct, indirect, *

* special, incidental, or consequential damages of any character *

* including, without limitation, damages for lost profits, loss of *

* goodwill, work stoppage, computer failure or malfunction, or any *

* and all other commercial damages or losses, even if such party *

* shall have been informed of the possibility of such damages. This *

* limitation of liability shall not apply to liability for death or *

* personal injury resulting from such party's negligence to the *

* extent applicable law prohibits such limitation. Some *

* jurisdictions do not allow the exclusion or limitation of *

* incidental or consequential damages, so this exclusion and *

* limitation may not apply to You. *

* * *

8. Litigation

Any litigation relating to this License may be brought only in the courts of a jurisdiction where the defendant maintains its principal

place of business and such litigation shall be governed by laws of that jurisdiction, without reference to its conflict-of-law provisions. Nothing in this Section shall prevent a party's ability to bring cross-claims or counter-claims.

9. Miscellaneous

This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not be used to construe this License against a Contributor.

10. Versions of the License

10.1. New Versions

Mozilla Foundation is the license steward. Except as provided in Section 10.3, no one other than the license steward has the right to modify or publish new versions of this License. Each version will be given a distinguishing version number.

10.2. Effect of New Versions

You may distribute the Covered Software under the terms of the version of the License under which You originally received the Covered Software, or under the terms of any subsequent version published by the license steward.

10.3. Modified Versions

If you create software not governed by this License, and you want to create a new license for such software, you may create and use a modified version of this License if you rename the license and remove any references to the name of the license steward (except to note that such modified license differs from this License).

10.4. Distributing Source Code Form that is Incompatible With Secondary Licenses

If You choose to distribute Source Code Form that is Incompatible With Secondary Licenses under the terms of this version of the License, the notice described in Exhibit B of this License must be attached.

Exhibit A - Source Code Form License Notice

This Source Code Form is subject to the terms of the Mozilla Public License, v. 2.0. If a copy of the MPL was not distributed with this file, You can obtain one at <http://mozilla.org/MPL/2.0/>.

If it is not possible or desirable to put the notice in a particular file, then You may include the notice in a location (such as a LICENSE file in a relevant directory) where a recipient would be likely to look for such a notice.

The text of the GNU General Public License, Version 2 (June 1991), a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

The text of the GNU Lesser General Public License, Version 2.1, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

The text of the GNU GCC RUNTIME LIBRARY EXCEPTION, Version 3.1 (March 2009), a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

The text of the GNU General Public License, Version 3 (June 2007), a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

The text of the GNU Lesser General Public License, Version 3 (29 June 2007), a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

>>>> gcc/go

Copyright (c) 2009 The Go Authors. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

>>>> boost

DRuntime: Runtime Library for the D Programming Language

=====

Boost Software License - Version 1.0 - August 17th, 2003

Permission is hereby granted, free of charge, to any person or organization obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following:

The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

>>>>

Boost Software License - Version 1.0 - August 17th, 2003

Permission is hereby granted, free of charge, to any person or organization obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following:

The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

>>>> functions:

 This function is in the public domain. */

>>>> doc

Copyright (C) 2005-2019 Free Software Foundation, Inc.

This is part of the GNU Fortran manual.

For copying conditions, see the file gfortran.texi.

Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with the Invariant Sections being ``Funding Free Software'', the Front-Cover Texts being (a) (see below), and with the Back-Cover Texts being (b) (see below). A copy of the license is included in the gfdl(7) man page.

>>>

=====

compiler_rt License

=====

The compiler_rt library is dual licensed under both the University of Illinois "BSD-Like" license and the MIT license. As a user of this code you may choose to use it under either license. As a contributor, you agree to allow your code to be used under both.

Full text of the relevant licenses is included below.

=====

University of Illinois/NCSA
Open Source License

Copyright (c) 2009-2012 by the contributors listed in CREDITS.TXT

All rights reserved.

Developed by:

LLVM Team

University of Illinois at Urbana-Champaign

<http://llvm.org>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal with the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimers.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimers in the documentation and/or other materials provided with the distribution.
- * Neither the names of the LLVM Team, University of Illinois at Urbana-Champaign, nor the names of its contributors may be used to endorse or promote products derived from this Software without specific prior written permission.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE CONTRIBUTORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS WITH THE SOFTWARE.

=====

Copyright (c) 2009-2012 by the contributors listed in CREDITS.TXT

Permission is hereby granted, free of charge, to any person obtaining a copy

of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

=====
 Copyrights and Licenses for Third Party Software Distributed with LLVM:
 =====

The LLVM software contains code written by third parties. Such software will have its own individual LICENSE.TXT file in the directory in which it appears. This file will describe the copyrights, license, and restrictions which apply to that code.

The disclaimer of warranty in the University of Illinois Open Source License applies to all code in the LLVM Distribution, and nothing in any of the other licenses gives permission to use the names of the LLVM Team or the University of Illinois to endorse or promote products derived from this Software.

The following pieces of software have additional or alternate copyrights, licenses, and/or restrictions:

Program	Directory
-----	-----
mach_override	lib/interception/mach_override

```
>>>>
//
// Part of the LLVM Project, under the Apache License v2.0 with LLVM Exceptions.
// See https://llvm.org/LICENSE.txt for license information.
// SPDX-License-Identifier: Apache-2.0 WITH LLVM-exception
//
```

---- LLVM Exceptions to the Apache 2.0 License ----

=====
 The LLVM Project is under the Apache License v2.0 with LLVM Exceptions:
 =====

The text of the Apache License, Version 2.0, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

As an exception, if, as a result of your compiling your source code, portions of this Software are embedded into an Object form of such source code, you may redistribute such embedded portions in such Object form without complying with the conditions of Sections 4(a), 4(b) and 4(d) of the License.

In addition, if you combine or link compiled forms of this Software with software that is licensed under the GPLv2 ("Combined Software") and if a court of competent jurisdiction determines that the patent provision (Section 3), the indemnity provision (Section 9) or other Section of the License conflicts with the conditions of the GPLv2, you may retroactively and prospectively choose to deem waived or otherwise exclude such Section(s) of the License, but only in their entirety and only with respect to the Combined Software.

=====

Software from third parties included in the LLVM Project:

=====

The LLVM Project contains third party software which is under different license terms. All such code will be identified clearly using at least one of two mechanisms:

- 1) It will be in a separate directory tree with its own `LICENSE.txt` or `LICENSE` file at the top containing the specific license and restrictions which apply to that software, or
- 2) It will contain specific license and restriction terms at the top of every file.

=====

Legacy LLVM License (<https://llvm.org/docs/DeveloperPolicy.html#legacy>):

=====

The software contained in this directory tree is dual licensed under both the University of Illinois "BSD-Like" license and the MIT license. As a user of this code you may choose to use it under either license. As a contributor, you agree to allow your code to be used under both.

Full text of the relevant licenses is included below.

=====

University of Illinois/NCSA
Open Source License

Copyright (c) 2017-2019 by the contributors listed in CREDITS.TXT

All rights reserved.

Developed by:
Threading Runtimes Team
Intel Corporation
<http://www.intel.com>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal with the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimers.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimers in the

documentation and/or other materials provided with the distribution.

* Neither the names of Intel Corporation Threading Runtimes Team nor the names of its contributors may be used to endorse or promote products derived from this Software without specific prior written permission.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE CONTRIBUTORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS WITH THE SOFTWARE.

=====
Copyright (c) 2017-2019 by the contributors listed in CREDITS.TXT

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

>>>>>

This program, "bzip2", the associated library "libbzip2", and all documentation, are copyright (C) 1996-2010 Julian R Seward. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
3. Altered source versions must be plainly marked as such, and must

not be misrepresented as being the original software.

4. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

>>> unicode
ï»¿UNICODE, INC. LICENSE AGREEMENT - DATA FILES AND SOFTWARE

Unicode Data Files include all data files under the directories <http://www.unicode.org/Public/>, <http://www.unicode.org/reports/>, and <http://www.unicode.org/cldr/data/>. Unicode Data Files do not include PDF online code charts under the directory <http://www.unicode.org/Public/>. Software includes any source code published in the Unicode Standard or under the directories <http://www.unicode.org/Public/>, <http://www.unicode.org/reports/>, and <http://www.unicode.org/cldr/data/>.

NOTICE TO USER: Carefully read the following legal agreement. BY DOWNLOADING, INSTALLING, COPYING OR OTHERWISE USING UNICODE INC.'S DATA FILES ("DATA FILES"), AND/OR SOFTWARE ("SOFTWARE"), YOU UNEQUIVOCALLY ACCEPT, AND AGREE TO BE BOUND BY, ALL OF THE TERMS AND CONDITIONS OF THIS AGREEMENT. IF YOU DO NOT AGREE, DO NOT DOWNLOAD, INSTALL, COPY, DISTRIBUTE OR USE THE DATA FILES OR SOFTWARE.

COPYRIGHT AND PERMISSION NOTICE

Copyright © 1991-2013 Unicode, Inc. All rights reserved. Distributed under the Terms of Use in <http://www.unicode.org/copyright.html>.

Permission is hereby granted, free of charge, to any person obtaining a copy of the Unicode data files and any associated documentation (the "Data Files") or Unicode software and any associated documentation (the "Software") to deal in the Data Files or Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Data Files or Software, and to permit persons to whom the Data Files or Software are furnished to do so, provided that (a) the above copyright notice(s) and this permission notice appear with all copies of the Data Files or Software, (b) both the above copyright notice(s) and this permission notice appear in associated documentation, and (c) there is clear notice in each modified Data File or in the Software as well as in the documentation associated with the Data File(s) or Software that the data or

software has been modified.

THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE DATA FILES OR SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in these Data Files or Software without prior written authorization of the copyright holder.

>>> zlib license

```
/* zlib.h -- interface of the 'zlib' general purpose compression library
   version 1.2.11, January 15th, 2017
```

Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

Jean-loup Gailly Mark Adler
jloup@gzip.org madler@alumni.caltech.edu

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://tools.ietf.org/html/rfc1950> (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).

*/

Copyright (C) 2001-2022 Free Software Foundation Inc. Contributed by David S. Miller (davem@redhat.com)

Copyright (C) 2019 Yoshinori Sato Based on

Copyright 2009-2021 The Go Authors

Copyright 2001-2004 Free Software Foundation Inc. Simos Xenitellis <simos@hellug.gr>

Copyright (C) 2014-2022 Free Software Foundation Inc. Based on lib2divHI.

Copyright 2015-2022 Free Software Foundation Inc. Contributed by FTDI <support@ftdi.com>

Copyright (C) 2007-2022 Free Software Foundation Inc. Contributed by Pascal Obry <obry@adacore.com>

Copyright 2003-2022 Free Software Foundation Inc. Written by CodeSourcery

Copyright 2000-2007 Lucent Technologies Inc. and others

Copyright 2014 Jason King. License
Copyright 2015-2022 Free Software Foundation Inc. Contributed by Alexander Monakov <amonakov@ispras.ru>
Copyright (C) 2007-2022 Free Software Foundation Inc. Written by Saurabh Verma (saurabh.verma@celunite.com) on behalf of Synopsys Inc.
Copyright 1998-2010 Gilles Vollant
Copyright (c) 2016 2018 Krzesimir Nowak <qdlacz@gmail.com>
Copyright 1995-2017 Jean-loup Gailly detect
Copyright (C) 1996-2022 Free Software Foundation Inc. Contributed by Mike Stump <mrs@cygnus.com>.
Copyright (C) 1993-2022 Free Software Foundation Inc. Contributed by Kresten Krab Thorup and Dennis Glatting.
Copyright 2008-2022 Free Software Foundation Inc. Contributed by Thomas Koenig <tkoenig@gcc.gnu.org> based on spread
Copyright (C) 2014 Free Software Foundation Inc. Written by David Malcolm <dmalcolm@redhat.com>.
Copyright (C) 2002 Free Software Foundation Inc. Contributed by Andreas Bauer <baueran@in.tum.de>
Copyright 1995-2022 Free Software Foundation Inc. Contributed by Eric Youngdale. Modified for stabs-in-ELF by H.J. Lu (hjl@lucon.org)
Copyright (c) 1996-1998 John D. Polstra. All rights reserved.
Copyright (C) 2020 Nathan Sidwell nathan@acm.org
Copyright (C) 2008-2022 Free Software Foundation Inc. Contributed by Doug Kwan (dougkwan@google.com) Rewritten by CodeSourcery Inc.
Copyright (C) 2007 2008 2009 2010 2012 Free Software Foundation Originally by Alexandre Oliva <aoliva@redhat.com> Modified for LTO bootstrap by Richard Biener <rguenther@suse.de>
Copyright 1999-2022 gfortran
Copyright (C) 1999 2000 2002 National Research Council of Canada.
Copyright (C) 2002 Free Software Foundation Contributed by Kriang Lerdsuwanakij <lerdsuwa@users.sourceforge.net> Split into pieces for binary compatibility testing October
Copyright 1996-2003 Free Software Foundation Inc. Taken from GNU libtool
Copyright (C) 1999-2022 Free Software Foundation Inc. Contributed by Wind River Systems. Rewritten by CodeSourcery LLC.
Copyright 1997-2022 Free Software Foundation Inc. Contributed by Richard Henderson (rth@cygnus.com) and Jakub Jelinek (jj@ultra.linux.cz)
Copyright 2019-2020 Nathan Sidwell nathan@acm.org License Apache
Copyright 2011-2022 Free Software Foundation Inc. Contributed by Iain Sandoe
Copyright (C) 2015-2022 Free Software Foundation Inc. Contributed by Yoshinori Sato <ysato@users.sourceforge.jp>
Copyright (C) 2013-2022 Free Software Foundation Inc. Written by David Edelsohn IBM.
Copyright 1994-2022 Free Software Foundation Inc. Contributed by Eric Youngdale. Modified for stabs-in-ELF by H.J. Lu
Copyright 2000-2007 Vita Nuova Holdings Ltd
Copyright 2008-2022 Free Software Foundation Inc. Contributed by Doug Kwan <dougkwan@google.com>
Copyright 1989, 1993, 1995, 2007-2022 FSF
Copyright (c) 1996-2003 Red Hat Inc. Target configuration macros for SuperH - SHmedia.
Copyright (C) 2001-2022 Free Software Foundation Inc. Contributed by David Mosberger <davidm@hpl.hp.com>.
Copyright (C) 1998-2022 Free Software Foundation Inc. Contributed by Denis Chertykov <chertykov@gmail.com>
Copyright 2000-2001 John Hornkvist
Copyright 2012-2022 Free Software Foundation Inc. Contributed by Andreas Krebbel (Andreas.Krebbel@de.ibm.com)
Copyright 2012-2022 Free Software Foundation Inc. Contributed by Mentor Graphics Inc
Copyright (c) 1998 2012 Andreas Schwab
Copyright 1991 Per Bothner
Copyright 2009-2022 Free Software Foundation Inc. Contributed by Ian Lance Taylor <iant@google.com>
Copyright 2008-2022 Free Software Foundation Inc. Contributed by Edmar Wienskosi (edmar@freescale.com)
Copyright 2002, 2007 Bo Thorsen <bo@suse.de>
Copyright 2021-2022 Free Software Foundation Inc. Contributed by Loongson Ltd
Copyright 2018-2022 Free Software Foundation Inc. Contributed by Steven G. Kargl <kargl@gcc.gnu.org>
Copyright (c) 1996-2003 Red Hat Inc. Target configuration macros for IA-
Copyright 2008-2022 Free Software Foundation Inc. Contributed by Rafael Avila de Espindola (espindola@google.com)
Copyright (C) 2013-2022 Free Software Foundation Inc. DMULT DDIV replacement support by Juergen Urban JuergenUrban@gmx.de.
Copyright (C) 2015-2022 Free Software Foundation Inc. -- -- -- S
Copyright 1999-2006 Yasushi Saito--
Copyright (C) 2006-2022 Free Software Foundation Inc. Written by Wolfgang Gellerich using code and information found in files
Copyright 2000 Free Software Foundation Contributed by Alexandre Oliva <aoliva@cygnus.com>
Copyright 2002-2003 Free Software Foundation Origin PR
Copyright (c) 2013 Imagination Technologies Ltd. Target configuration macros for Meta

Copyright 2002-2022 Free Software Foundation Inc. Contributed by Paul Brook <paul@nowt.org> and Steven Bosscher <s.bosscher@student.tudelft.nl>

Copyright (C) 1995-2022 Free Software Foundation Inc. Contributed by Philip Blundell <philb@gnu.org> and Catherine Moore <clm@cygnus.com>

Copyright 1998-2022 Free Software Foundation Inc. Contributed by Denis Chertykov (chertykov@gmail.com)

Copyright 2010-2022 AdaCore -- -- -- GNARL is free software

Copyright 2007 Free Software Foundation Inc. Contributed by Ollie Wild <aaw@google.com>

Copyright 1995-2017 Jean-loup Gailly

Copyright (c) 1996-2003 Red Hat Inc. Target configuration macros for

Copyright 2012-2022 Free Software Foundation Inc. Written by Alan Modra IBM

Copyright 2005-2022 Free Software Foundation Inc. Contributed by Analog Devices

Copyright 2015-2022 Free Software Foundation Inc. Contributed by Martin Liska <mliska@suse.cz>

Copyright 2002-2004 Dmitriy Anisimkov -- -- --

Copyright (C) 2014-2022 Free Software Foundation Inc. Based on msp430-divmod.

Copyright 2003-2022 Free Software Foundation Inc. Written by Kaveh R. Ghazi <ghazi@caip.rutgers.edu>

Copyright Jens Axboe 2019

Copyright 2004 Free Software Foundation Inc. Contributed and written by Nathanael Nerode.

Copyright 2018-2022 Free Software Foundation Inc. Contributed by Stafford Horne

Copyright 2018-2022 Free Software Foundation Inc. Contributed by Thomas Knig <tk@tkoenig.net>

Copyright 2005 Free Software Foundation contributed by Alexandre Oliva <aoliva@redhat.com> inspired in the failure reported in Red Hat bugzilla

Copyright (C) 1992-2022 Free Software Foundation Inc. Contributed by the Center for Software Science at the University of Utah.

Copyright 2005-2018 Sean Kelly

Copyright 2008-2022 Free Software Foundation Inc. Contributed by Thomas Koenig <tkoenig@gcc.gnu.org> based on unpack

Copyright 2001-2022 Free Software Foundation Inc. Contributed by Alexandre Oliva <aoliva@redhat.com>

Copyright 2005 Free Software Foundation by Alexandre Oliva <aoliva@redhat.com> based on https bugzilla.redhat.com beta show

Copyright Kai Nacke 2012

Copyright (C) 2006-2022 Free Software Foundation Inc. Contributed by Nigel Stephens <nigel@mips.com>

Copyright (c) 1996-2003 Red Hat Inc. Target configuration macros for Alpha.

Copyright 1997-1999 Vita Nuova Ltd

Copyright 2019-2020 Unicode

Copyright Denis Shelomovskij 2013-2014

Copyright 1996-2022 Free Software Foundation Inc. Contributed by CodeSourcery LLC

Copyright Robert burner Schadek 2013

Copyright 1996 treaty adopted on

Copyright 2014-2022 Free Software Foundation Inc. Originally contributed by David Malcolm <dmalcolm@redhat.com>

Copyright 1995-2017 Jean-loup Gailly and Mark Adler .LP

Copyright 2004-2022 Free Software Foundation Inc. Contributed by Richard Henderson <rth@redhat.com>

Copyright 1997-2022 Free Software Foundation Inc. Written by Ian Lance Taylor Cygnus Solutions

Copyright 2001-2022 Free Software Foundation Inc. Contributed by Hans-Peter Nilsson <hp@bitrange.com>

Copyright (C) 2001-2022 Free Software Foundation Inc. Contributed by David E. O'Brien <obrien@FreeBSD.org>.

Copyright 2011-2012 Jonas Drewsen

Copyright 2010-2022 Free Software Foundation Inc. Contributed by Anthony Green (green@moxielogic.com)

Copyright 1991-2022 Free Software Foundation Inc. Contributed by Pieter

Copyright 2013 The Written Word Inc. -

Copyright (C) 2010-2018 Free Software Foundation Inc. Written by Tobias Burnus <burnus@net-b.de>

Copyright 2011-2012 Qualcomm Atheros Inc

Copyright 1998-2010 Daniel Stenberg <daniel@haxx.se> et al

Copyright (C) 2002 Free Software Foundation Contributed by Matt Austern <austern@apple.com>

Copyright (c) 1998 2001 2007 2008 2011 2014 Red Hat

Copyright 2003-2022 Free Software Foundation Inc. Contributed by Jan Hubicka

Copyright (C) 1998-2022 Free Software Foundation Inc. Contributed by Ovidiu Predescu.

Copyright 2009-2022 Free Software Foundation Inc. Contributed by Rafael Espindola <espindola@google.com>

Copyright (C) 1997-2022 Free Software Foundation Inc. Contributed by Scott Christley <scottc@net-community.com>

copyright (C) 1991-2011 Thomas G. Lane Guido Vollbeding. All Rights Reserved except as specified below.

copyright notice bump to 2022

Copyright (c) 1996-2004 Red Hat Inc. Target configuration macros for FR-V

Copyright 2011 Daniel Marschall License

Copyright 2005 Axis Communications AB
Copyright (c) 2001 David E. O'Brien Portions
Copyright 2002 Free Software Foundation Contributed by Jason Merrill and Alexandre Oliva
Copyright (C) 1999-2022 Free Software Foundation Inc. Contributed by Mumit Khan <khan@xraylith.wisc.edu>.
Copyright 1991-2022 Free Software Foundation Inc. Contributed by Ron Guilmette (rfg@monkeys.com)
Copyright 2010-2022 Free Software Foundation Inc. Contributed by Nicola Pero
Copyright (C) 2018-2022 Free Software Foundation Inc. Contributed by Daniel Celis Garza <celisdanieljr@gmail.com> and Paul Thomas <pault@gcc.gnu.org>
Copyright (C) 1989-2022 Free Software Foundation Inc. Contributed by Gavin Koch (gavin@cygnus.com).
Copyright 2004 Scott James Remnant <scott@netsplit.com>. dnl
Copyright (c) 2021 D Language Foundation Authors Iain Buclaw
Copyright 2002 OOPSLA.
Copyright (C) 2001-2005 Quantum-ESPRESSO group This file is distributed under the terms of the GNU General Public License. See the file
Copyright (C) 2018-2022 Free Software Foundation Inc. Contributed by Daniel Celis Garza <celisdanieljr@gmail.com>
Copyright 2009-2022 Free Software Foundation Inc. Contributed by Peter Bergner (bergner@vnet.ibm.com)
Copyright 2009-2022 Free Software Foundation Inc. Contributed by Michael Meissner <meissner@linux.vnet.ibm.com>
Copyright (C) 1999-2022 Free Software Foundation Inc. Contributed by Steve Ellcey <sje@cup.hp.com> and Reva Cuthbertson <reva@cup.hp.com>
Copyright (c) 1986 by University of Toronto. Written by Henry Spencer. Not derived from licensed software.
Copyright (C) 1999 Free Software Foundation by Alexandre Oliva <oliva@lsd.ic.unicamp.br> Simplified from libg
Copyright 2017-2022 Free Software Foundation Inc. Contributed by Martin Sebor <msebor@redhat.com>
Copyright 1995-1999 Free Software Foundation Inc. Written by Ulrich Drepper <drepper@gnu.org>
Copyright (C) 2002 Free Software Foundation Inc. Contributed by Michael Matz
Copyright 2004-2022 Free Software Foundation Inc. Contributed by Robert Millan
Copyright 2012-2022 Free Software Foundation Inc. Contributed by Lawrence Crowl <crowl@google.com>
Copyright (c) 1999 Free Software Foundation. Contributed by Zack Weinberg who made it up all by himself.
Copyright 2002-2008, 2012 Kaz Kojima
Copyright 2000 Hewlett Packard Co
Copyright 2010-2022 Free Software Foundation Inc. Contributed by Andrew Jenner <andrew@codesourcery.com> Contributed by Bernd Schmidt <bernds@codesourcery.com>
Copyright (C) 2009-2022 Free Software Foundation Inc. Contributed by Ben Elliston (bje@au.ibm.com)
Copyright 2001 Stephen L. Moshier (moshier@na-net.onrl.gov)
Copyright 1990-2022 Free Software Foundation Inc. Contributed by Richard Kenner (kenner@vlsi1.ultra.nyu.edu)
Copyright 2004-2005, 2007, 2009 Free Software Foundation Inc. Written by Scott James Remnant
Copyright 2010-2022 Free Software Foundation Inc. Written by Ian Lance Taylor Google
copyright date with 2004
Copyright 1999-2022 Free Software Foundation Inc. Contributed by Hartmut Penner (hpenner@de.ibm.com) and Ulrich Weigand (uweigand@de.ibm.com) and
Copyright 2019-2022 Free Software Foundation Inc. Contributed by Aldy Hernandez <aldyh@redhat.com> and Andrew MacLeod <amacleod@redhat.com>
Copyright 2006 The MathWorks Inc.
Copyright 2001-2022 Free Software Foundation Inc. Contributed by Aldy Hernandez (aldyh@redhat.com)
Copyright 1996-2014 Free Software Foundation Inc. Originally written by Fran cois Pinard <pinard@iro.umontreal.ca>
Copyright 2019-2022 Free Software Foundation Inc. Contributed by Jozef Lawrynowicz <jozef.l@mittosystems.com>
Copyright (C) 2001-2022 Free Software Foundation Inc. Contributed by Loren J. Rittle <ljriddle@acm.org>
Copyright 1995-2022 Free Software Foundation Inc. Written by Per Bothner
Copyright (C) 1991-2022 Free Software Foundation Inc. Based on svr4.
Copyright 2005-2007 C H Forsyth (forsyth@terzarima.net) Revisions
Copyright (C) 2020-2022 Free Software Foundation Inc. Contributed by Samuel Thibault <samuel.thibault@gnu.org>
Copyright (C) 2007-2022 Free Software Foundation Inc. Contributed by Andy Vaught Write float code factoring to this file by Jerry DeLisle
Copyright 1991-2017 Florida State University -- --
Copyright (C) 1999-2022 Free Software Foundation Inc. Contributed by Kazumoto Kojima <kkojima@rr.iij4u.or.jp>
Copyright 2008-2022 Free Software Foundation Inc. Written by Nathan Froyd
Copyright 2010-2022 Free Software Foundation Inc. Written by I-Jui Sung based on ARM926EJ-S Pipeline Description
Copyright (C) 1991 by Pipeline Associates Inc. All rights reserved. Permission is granted to do anything you want with this file commercial or otherwise provided this message remains intact. So there

Copyright (C) 2000-2006 Erik Andersen <andersen@uclibc.org>
Copyright (C) 2002-2022 Free Software Foundation Inc. Contributed by Matthew Green (mrg@eterna.com.au).
Copyright (C) 1993-2022 Free Software Foundation Inc. Contributed by Motorola.
Copyright (c) 2012-2014 Sourcery Inc. All rights reserved.
Copyright (C) 2002-2022 Free Software Foundation Inc. Contributed by Lars Segerlund <seger@linuxmail.org> Steve Kargl and Janne Blomqvist.
Copyright 2020-2022 Free Software Foundation Inc. Contributed by Nicolas Bertolo <nicolasbertolo@gmail.com>
Copyright 2000, 2002, 2007-2008 Free Software Foundation Inc. Contributed by Theodore.Papadopoulos
Copyright 2000-2022 Free Software Foundation Inc. Contributed by Zack Weinberg Mar
Copyright 2002-2022 Free Software Foundation Inc. Contributed by Thomas Koenig <tkoenig@gcc.gnu.org>
Copyright 2012-2015 Dan Nicholson <dbn.lists@gmail.com> dnl dnl
Copyright 2006-2022 Free Software Foundation Inc. Contributed by Franois-Xavier Coudert
Copyright (C) 2007-2022 Free Software Foundation Inc. Contributed by Daniel Berlin <dberlin@dberlin.org>
Copyright 2011 Free Software Foundation Inc. Written by Jakub Jelinek <jakub@redhat.com>
Copyright (c) 2010 Lars T. Kyllingstad. License
Copyright (C) 1989-2022 Free Software Foundation Inc. Contributed by A. Lichnewsky lich@inria.inria.fr Changes by Michael Meissner meissner@osf.org
Copyright 2007-2022 Free Software Foundation Inc. Contributed by Peter Bergner <bergner@vnet.ibm.com>
Copyright (C) 2007 2008 2009 2010 2012 2020 Free Software Foundation Originally by Alexandre Oliva <aoliva@redhat.com>
Copyright 2001-2022 Free Software Foundation Inc. Contributed by Bo Thorsen <bo@suse.de>
Copyright (C) 2002 FPMD group This file is distributed under the terms of the GNU General Public License. See the file
Copyright (c) 2015-2019 Nicira Inc.
Copyright 1998-2022 Free Software Foundation Inc. Contributed by Kaveh Ghazi (ghazi@caip.rutgers.edu)
Copyright (C) 2002-2022 Free Software Foundation Inc. Contributed by Andy Vaught Namelist transfer functions contributed by Paul Thomas
Copyright (C) 2002 Free Software Foundation Contributed by Roger Sayle <roger@eyesopen.com>
2003 copyright date.
Copyright 2010 Faraday Technology Corp
Copyright (c) 2020 Jason Merrill <jason@redhat.com>
Copyright (C) 2019 Yoshinori Sato Based on rx.
Copyright 2007-2022 Free Software Foundation Inc. Contributed by Paul Thomas and Brooks Moses
Copyright 2019-2022 Free Software Foundation Inc. Contributed by Robin Dapp (rdapp@linux.ibm.com)
Copyright 2004-2022 Free Software Foundation Inc. Contributed by Tobias Schlter
Copyright (C) 2011-2022 Free Software Foundation Inc. print print cc This file is part of GCC.
Copyright (C) 1997 - 2002 Makoto Matsumoto and Takuji Nishimura -- -- All rights reserved. -- --
Copyright 2004, 2006 Bruce Ellis
Copyright 1998, 2007 Brian Raiter <breadbox@muppetlabs.com>
Copyright 2010-2022 Free Software Foundation Inc. Contributed by Michael Meissner (meissner@linux.vnet.ibm.com)
Copyright 1996-2010 Julian Seward <jseward@bzip.org>
Copyright (C) 2002-2022 Free Software Foundation Inc. Contributed by Andy Vaught Namelist input contributed by Paul Thomas
Copyright 2003-2022 Free Software Foundation Inc. Contributed by Sebastian Pop <pop@cri.enscm.fr>
Copyright 2014, 2016 Karlson2k
Copyright 2002-2003 Free Software Foundation Contributed by Gabriel Dos Reis <gdr@integrable-solutions.net>
Copyright (c) 2002 2003 2009 Free Software Foundation Inc. based on darwin
Copyright 2013-2022 Free Software Foundation Inc. Contributed by Andreas Krebbel <krebbel@linux.vnet.ibm.com>
Copyright 2001-2002 Free Software Foundation Inc. msgid
Copyright 2011-2022 Free Software Foundation Inc. Contributed by Walter Lee (walt@tilera.com)
(C) 1998 2007 Free Software Foundation Originally by Alexandre Oliva <oliva@lsd.ic.unicamp.br>
Copyright 2018 Microsoft Corporation
Copyright 1997-2022 Free Software Foundation Inc. Contributed by Red Hat Inc
Copyright 2012-2022 Free Software Foundation Inc. Contributed by Sriraman Tallam (tmsriram@google.com)
Copyright 1990-2021 Free Software Foundation
(C) Copyright Jeremy Siek 2000
Copyright 2003-2022 Free Software Foundation Inc. Contributed by Andrew MacLeod <amacleod@redhat.com>
Copyright 2004 Ami Tavory and Vladimir Dreizin IBM-HRL
Copyright 2010 CodeSourcery
Copyright 2000-2022 Free Software Foundation Inc. Contributed by Andy Vaught & Katherine Holcomb
Copyright (C) 2002-2022 Free Software Foundation Inc. Contributed by David O'Brien <obrien@FreeBSD.org>

Copyright 2004-2022 Free Software Foundation Inc. Contributed by Nathan Sidwell <nathan@codesourcery.com> Re-implemented in C

Copyright 2010-2019 Free Software Foundation Inc. Written by Francois-Xavier Coudert <fxcoudert@gcc.gnu.org>

Copyright (C) 2020-2022 Free Software Foundation Inc. Contributed by Fujitsu Ltd.

Copyright 1992 & Current

Copyright 2014-2022 Free Software Foundation Inc. Contributed by Kai Tietz <ktietz@redhat.com>

Copyright 2019-2022 Free Software Foundation Inc. Contributed by Linaro Ltd

copyright and license notices. ChangeLog-1993-2007

Copyright 2002-2022 Free Software Foundation Inc. Contributed by Gabriel Dos Reis <gdr@integrable-solutions.net>

Copyright 2005-2022 Free Software Foundation Inc. Contributed by Aldy Hernandez <aldy@quesejoda.com>

Copyright 2001-2022 Free Software Foundation Inc. Contributed by Jan Hubicka <jh@suse.cz> based on linux

Copyright (C) 2020-2022 Free Software Foundation Inc. Contributed by Peter Bergner <bergner@linux.ibm.com> and Michael Meissner <meissner@linux.ibm.com>

Copyright (c) Walter Bright 2014

Copyright 2017-2022 Free Software Foundation Inc. Contributed by Sebastian Perta

Copyright 2003-2022 Free Software Foundation Inc. Contributed by Kejia Zhao <kejia_zh@yahoo.com.cn>

Copyright (C) 1996-2003 Gerard Jungman

Copyright 2011-2022 Free Software Foundation Inc. Contributed by Andrew Waterman (andrew@sifive.com)

Copyright (C) 2002-2022 Free Software Foundation Inc. Contributed by Paul Brook <paul@nowt.org> and Andy Vaught <andy@xena.eas.asu.edu>

Copyright 1993-2022 Free Software Foundation Inc. Written By Fred Fish Nov

Copyright (C) 2002 Free Software Foundation Origin jmr@fulcrummicro.com Contributed by Gabriel Dos Reis <gdr@integrable-solutions.net>

Copyright (C) 2004-2022 Free Software Foundation Inc. Contributed by Douglas B Rupp <rupp@gnat.com>

Copyright (c) 2001 - 2002 Pavel EvilOne Minayev

Copyright 2000-2022 Free Software Foundation Inc. Contributed by Hans-Peter Nilsson (hp@bitrange.com)

Copyright 2003 Cosmin Truta

Copyright 1999-2014 Free Software Foundation Inc. Written by Tom Tromey <tromey@cygnus.com>

Copyright (C) 2009 2011 Free Software Foundation Inc. Contributed by Paolo Bonzini.

Copyright (C) 2008-2022 Free Software Foundation Inc. Based on linux-atomic.

Copyright (C) 2012-2022 Free Software Foundation Inc. Contributed by Dimitar Dimitrov

Copyright (C) 2000 Free Software Foundation. by William Cohen <wcohen@redhat.com>

Copyright (C) 2000 Free Software Foundation Contributed by Nathan Sidwell <nathan@codesourcery.com>

Copyright 1998 Geoffrey Keating

COPYRIGHT 1999 SPACKMAN & HENDRICKSON INC. REAL

Copyright 1992-1999 The Free Software Foundation

Copyright 2014-2015 Google Inc. contributed by Alexey Sokolov <sokolov@google.com>

Copyright (c) 2008 Russ Allbery <rra@stanford.edu>

Copyright 1999-2022 Free Software Foundation Inc. Contributed by Hartmut Penner (hpenner@de.ibm.com) and Ulrich Weigand (uweigand@de.ibm.com)

Copyright (C) 1997 - 2002 Makoto Matsumoto and Takuji Nishimura All rights reserved.

Copyright 2011-2022 Free Software Foundation Inc. Contributed by Georg-Johann Lay (avr@gjlay.de)

Copyright 1995-2017 Free Software Foundation Inc. written by Ulrich Drepper <drepper@gnu.ai.mit.edu> June

Copyright (C) 2011-2022 Free Software Foundation Inc. Contributed by Kostya Serebryany <kcc@google.com>

Copyright 1996 L. Peter Deutsch and Jean-Loup Gailly

Copyright 2000-2001 Free Software Foundation Contributed by Alexandre Oliva <aoliva@redhat.com>

Copyright (C) 2009-2022 Free Software Foundation Inc. Contributed by Richard Henderson <rth@redhat.com> and Aldy Hernandez <aldyh@redhat.com>.

Copyright 1991-2022 Free Software Foundation Inc. Written by Fred Fish

Copyright 2010-2022 Free Software Foundation Inc. Contributed by Bernd Schmidt <bernds@codesourcery.com> Contributed by CodeSourcery

Copyright (C) 1993-2022 Free Software Foundation Inc. Contributed by Kresten Krab Thorup Bitfield support by Ovidiu Predescu

Copyright 2000 Free Software Foundation Contributed by Nathan Sidwell

Copyright 2009 Bradley Smith <brad@brad-smith.co.uk>

Copyright (C) 1997-2022 Free Software Foundation Inc. Contributed by Russell King <rmk92@ecs.soton.ac.uk>.

Copyright 2007 Free Software Foundation Contributed by Ollie Wild <aaw@google.com>

Copyright 2010-2022 Free Software Foundation Inc. Contributed by Theobroma Systems Design und Consulting GmbH

Copyright 1996- & Gnatvsn.Current

Copyright (C) 1996-2022 Free Software Foundation Inc. Contributed by Richard Henderson (rth@tamu.edu).
Copyright 1989-2022 Free Software Foundation Inc. Written by James Clark (jjc@jclark.uucp) Rewritten by Fred Fish (fnf@cygnus.com) for ARM and Lucid demangling
Copyright (C) 2007-2022 Free Software Foundation Inc. Contributed by CodeSourcery Inc. www.codesourcery.com
Copyright Masahiro Nakagawa 2010
Copyright 2014-2022 Free Software Foundation Inc. Contributed by Richard Biener <rguenther@suse.de> and Prathamesh Kulkarni <bilbotheelffriend@gmail.com>
copyright notices to 2018
Copyright 1997 Borland Corp. and is based on zlib
Copyright 2003 Cosmin Truta. Derived from original sources by Bob Dellaca
Copyright 1996-1999 Silicon Graphics Computer Systems Inc
Copyright (C) 2006-2022 Free Software Foundation Inc. Contributed by Ralf Corspius (ralf.corsepius@rtems.org).
Copyright (C) 1996 1997 1998 1999 2000 2007 2010 James Theiler Brian Gough template
Copyright 2012 Zack Weinberg <zackw@panix.com>
Copyright (C) 2000 Free Software Foundation. Added extra line-breaks to check that diagnostics refer to correct token. --Per Bothner.
Copyright Jean-loup Gailly Osmo Ahvenlampi <Osmo.Ahvenlampi@hut.fi>
Copyright 2010-2022 Free Software Foundation Inc. Contributed by Bernd Schmidt <bernds@codesourcery.com>
Copyright 1986-2022 Free Software Foundation Inc. Contributed by Per Bothner
Copyright 1993-2022 Free Software Foundation Inc. Contributed by Kresten Krab Thorup
Copyright 2003-2004 Randolph Chung <tausq@debian.org>
Copyright 1996-2022 Free Software Foundation Inc. Contributed by Bob Manson <manson@cygnus.com>. Completely remangled by Nathan Sidwell <nathan@codesourcery.com>
Copyright 2006-2022 Free Software Foundation Inc. Contributed by CodeSourcery
Copyright (C) 2013 Free Software Foundation Inc. Written by Jakub Jelinek Red Hat Inc.
Copyright (C) 2000 Free Software Foundation Adapted by Nathan Sidwell
Copyright 2014-2022 Free Software Foundation Inc. Contributed by Rong Xu <xur@google.com>
Copyright (c) 2008 Wolfgang Moser http
Copyright (C) 2018-2022 Free Software Foundation Inc. Contributed by Joel Sherrill (joel.sherrill@OARcorp.com).
Copyright 2011 Plausible Labs Cooperative Inc
Copyright (C) 2011-2022 Free Software Foundation Inc. Contributed by Dimitar Dimitrov <dimitar@linux.eu> Based on c6x c6x-abi.
Copyright (C) 2000 Free Software Foundation Inc. Contributed by Mark Mitchell
Copyright (c) 1996-2003 Red Hat Inc. Target configuration macros for Motorola 68K.
Copyright 2013-2022 Free Software Foundation Inc. Contributed by David Malcolm <dmalcolm@redhat.com>
Copyright (C) 2001-2022 Free Software Foundation Inc. Contributed by Sony Computer Entertainment Inc.
Copyright 2002-2022 Free Software Foundation Inc. Contributed by Andy Vaught and Paul Brook <paul@nowt.org>
Copyright 2003 Free Software Foundation Inc. Written by Bruno Haible <bruno@clisp.org>
Copyright (C) 2011-2022 Free Software Foundation Inc. Based on code contributed by CodeSourcery for ARM EABI Linux.
Copyright (C) 2002-2022 Free Software Foundation Inc. Contributed by Matt Thomas <matt@3am-software.com>
Copyright 2008 Michael Paul Bailey <jinxidoru@byu.net>
Copyright 2021-2022 Free Software Foundation Inc. Contributed by Loongson Ltd. Based on MIPS target for GNU compiler
Copyright 2015 Paul Norman <penorman@mac.com>
Copyright 2013 Roy Stogner <roystgnr@ices.utexas.edu>
Copyright 1983, 1987, 1990, 2014 Regents of the University of California
Copyright (c) 2012 Tiler Corp. Target configuration macros for TILE.
Copyright 1982, 1986, 1990-1991, 1993, 2014 The Regents of the University of California
Copyright 2003-2022 Free Software Foundation Inc. Contributed by Kelley Cook June
Copyright 2003-2022 Free Software Foundation Inc. Contributed by Nicolas Pitre (nico@fluxnic.net)
Copyright (c) 2013 Tensilica Inc. Target configuration macros for XTENSA.
Copyright 1998-2022 Free Software Foundation Inc. Contributed by Axis Communications
Copyright 2011-2022 Free Software Foundation Inc. Written by Nicola Pero <nicola.pero@meta-innovation.com>
Copyright 2007-2010, 2013 Andrei Alexandrescu
Copyright 2018-2022 Free Software Foundation Inc. Contributed by Michael Meissner (meissner@linux.ibm.com)
Copyright 1998-2010 Gilles Vollant Even Rouault Mathias Svensson
Copyright 1998-2022 Free Software Foundation Inc. Contributed by Daniel Berlin (dan@cgsoftware.com)
Copyright 2015 Jacob Carlborg
Copyright (C) 2004-2022 Free Software Foundation Inc. Contributed by P.J. Darcy (darcypj@us.ibm.com).
Copyright 2012-2022 Free Software Foundation Inc. Contributed by Jonah Graham (jgraham@altera.com) Will Reece (wreece@altera.com) and Jeff DaSilva (jdasilva@altera.com)

Copyright 2013-2022 Free Software Foundation Inc. Contributed by Francois-Xavier Coudert <fxcoudert@gcc.gnu.org>
Copyright 2004-2022 Free Software Foundation Inc. Contributed by Ziemowit Laski <zlaski@apple.com>
Copyright (c) 2009-2011 David Simcha. License
Copyright 1996-2001, 2003-2009 Free Software Foundation Inc. Written by Gordon Matzigkeit
Copyright 1986 University of Toronto. -- --
Copyright 2013 Mentor Graphics
Copyright (C) 2003-2022 Free Software Foundation Inc. Contributed by P.J. Darcy (darcypj@us.ibm.com) Hartmut Penner (hpenner@de.ibm.com) and
Copyright 2019-2022 The D Language Foundation License
Copyright 1994-2022 Free Software Foundation Inc. Contributor Joern Rennecke <joern.renecke@embecosm.com> on behalf of Synopsys Inc
Copyright (C) 2010-2022 Free Software Foundation Inc. Based on C6X soft-fp header.
Copyright (C) 2000-2022 Free Software Foundation Inc. Contributed by James E. Wilson <wilson@cygnus.com>.
Copyright Manu Evans 2019
Copyright 1996-2022 Free Software Foundation Inc. Contributed by Joel Sherrill (joel@OARcorp.com)
Copyright 1995-1997 C H Forsyth (forsyth@terzarima.net)
Copyright 2002-2022 Free Software Foundation Inc. Contributed by C.Nettleton J.P.Parkes and P.Garbett
(C) 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2009 2010 2011 2012 2013 2014 2015 2017 Free Software Foundation
Originally by Gerald Pfeifer <gerald@pfeifer.com> August
Copyright 2011-2012 Johannes Pfau
Copyright (C) 2016-2022 Free Software Foundation Inc. Contributed by Than McIntosh Google.
Copyright 2006-2008 Free Software Foundation Inc. PR preprocessor
Copyright 2000-2022 Free Software Foundation Inc. Contributed by Zack Weinberg <zackw@stanford.edu>
Copyright 2011, 2016 David Nadlinger
Copyright (C) 2014-2022 Free Software Foundation Inc. Based on lib2bitcountHI.
Copyright 2010-2022 Free Software Foundation Inc. Written by Mingfeng Wu based on ARM926EJ-S Pipeline Description
Copyright 2012-2022 Free Software Foundation Inc. Contributed by Chung-Lin Tang <cltang@codesourcery.com>
Copyright 2004 Renesas Technology
Copyright (c) 2008 David Daney
Copyright Dmitry Olshansky 2011
Copyright 2002-2022 Free Software Foundation Inc. Contributed by Paul Brook <paul@nowt.org>
Copyright (C) 2003 Free Software Foundation. Check that size-optimizations for move insns
copyright and license notices. ChangeLog ChangeLog-2005
Copyright 2001 Stephen L. Moshier <moshier@na-net.ornl.gov> and are Inc herein by
Copyright (c) 2019 Enji Cooper <yaneurabeya@gmail.com>
Copyright 2011-2022 Free Software Foundation Inc. Written by Marvell Inc
Copyright 2012 Google Inc. Package foo does bar.
Copyright (c) 2011 Timothy Wall
Copyright (C) 1996-2022 Free Software Foundation Inc. Written By Steve Chamberlain
Copyright 1996, 2006-2007, 2010 to
Copyright (c) 2008 Stepan Kasal <kasal@ucw.cz>
Copyright 2002-2022 Free Software Foundation Inc. Written by Zack Weinberg <zack@codesourcery.com
Copyright (c) 2002 Bo Thorsen
Copyright 2014 Sebastian Macke <sebastian@macke.de>
Copyright 2001-2022 Free Software Foundation Inc. Contributed by Douglas B. Rupp (rupp@gnat.com)
Copyright 1993, 2004, 2011 Sun Microsystems Inc
Copyright 2008-2022 Free Software Foundation Inc. Contributed by Paul Yuan (yingbo.com@gmail.com) and Vinodha Ramasamy (vinodha@google.com)
Copyright 1998-2022 Free Software Foundation Inc. . Contributed by Axis Communications. Written by Hans-Peter Nilsson
Copyright 2002-2022 Free Software Foundation Inc. Contributed by Vladimir Makarov <vmakarov@redhat.com>
Copyright 2012-2013 Adil Baig
Copyright 2010-2013 Benjamin Thaut
Copyright (c) 2018 Free Software Foundation Contributed by Bernhard Reutner-Fischer <aldot@gcc.gnu.org> Inspired by bloat-
Copyright (C) 2000-2022 Free Software Foundation Inc. Contributed by Fritz Reese <foreese@gcc.gnu.org> and Steven G. Kargl <kargl@gcc.gnu.org>
Copyright (C) 2006-2022 Free Software Foundation Inc. Contributed by Peter Steinmetz (steinmtz@us.ibm.com)
Copyright (C) 1994 Stephen L. Moshier (moshier@world.std.com). Authors Stephen L. Moshier
Copyright 2004, 2008, 2011-2014, 2017-2019, 2021 Anthony Green

Copyright (C) 2002-2022 Free Software Foundation Inc. Contributed by J orn Rennecke <joern.renncke@superh.com>
Copyright 2016 Sociomantic Labs GmbH License
copyright notice Add 2004
Copyright (c) 2000 2001 Free Software Foundation. Distilled from
Copyright 2003-2022 Free Software Foundation Inc. Contributed by Dorit Naishlos <dorit@il.ibm.com>
Copyright 2014-2022 Free Software Foundation Inc. Contributed by Manuel Lopez-Ibanez
Copyright 2013 Miodrag Vallat. <miod@openbsd.org>
Copyright 2005-2022 Free Software Foundation Inc. Contributed by Sebastian Huber <sebastian.huber@embedded-brains.de>
Copyright (C) 2015-2022 Free Software Foundation Inc. Contributed by Dmitry Melnik <dm@ispras.ru>
Copyright 2000-2022 Free Software Foundation Inc. dnl dnl GCC is free software
Copyright 2003-2022 Free Software Foundation Inc. Contributed by Feng Wang <wf_cs@yahoo.com>
Copyright (C) 2010-2022 Free Software Foundation Inc. Contributed by Marvell.
Copyright 2009-2022 Free Software Foundation Inc. Contributed by Sebastian Pop <sebastian.pop@amd.com> and Tobias Grosser
<grosser@fim.uni-passau.de>
Copyright (C) 2002-2022 Free Software Foundation Inc. Contributed by Paul Brook <paul@nowt.org and Steven Bosscher
<s.bosscher@student.tudelft.nl>
Copyright (C) 2013-2022 Free Software Foundation Inc. Contributed by Manuel Lopez-Ibanez <manu@gcc.gnu.org>
Copyright (C) 2002-2022 Free Software Foundation Inc. Contributed by Aldy Hernandez <aldy@quesejoda.com>. Shamelessly stolen
from the Java front end.
Copyright (C) 2009-2022 Free Software Foundation Inc. Contributed by Gerald Pfeifer <gerald@pfeifer.com>.
Copyright 2015 NVIDIA Corporation
Copyright 2000-2022 Free Software Foundation Inc. Contributed by Mark Mitchell <mark@codesourcery.com>
Copyright 2013-2022 Free Software Foundation Inc. Written by Ian Lance Taylor Google and David Edelsohn IBM
Copyright 1984, 1987, 1989, 1992, 1994, 2000-2001 Stephen L. Moshier
Copyright 1995-2010 Jean-loup Gailly Brian Raiter and Gilles Vollant
Copyright Sociomantic Labs GmbH 2016
Copyright 2000-2014 the authors
Copyright 2011 Daniel Richard G. <skunk@iSKUNK.ORG>
Copyright (c) 2012 Alan Hourihane
Copyright 1992-2022 Free Software Foundation Inc. Contributed by Michael Tiemann (tiemann@cygnus.com) of Cygnus Support and
Tim Moore (moore@defmacro.cs.utah.edu) of the Center for
Copyright (C) 2009-2022 Free Software Foundation Inc. Contributed by Alan Modra <amodra@gmail.com>.
Copyright 2009-2022 Free Software Foundation Inc. Contributed by Simon Baldwin <simonb@google.com>
Copyright 1988, 2000, 2002 Free Software Foundation written by Doug Lea (dl@rocky.oswego.edu)
Copyright 1996-2022 Free Software Foundation Inc. Contributed by Richard Henderson
Copyright 2017-2022 Free Software Foundation Inc. Contributed by Google
Copyright (C) 2011-2022 Free Software Foundation Inc. Contributed by Uros Bizjak <ubizjak@gmail.com>
Copyright 2002-2022 Free Software Foundation Inc. Contributed by Wasabi Systems Inc
Copyright 1984, 1991 Stephen L. Moshier Adapted for glibc October
Copyright (c) 2013 Synposys Inc.
Copyright 2000 Addison Wesley Longman Inc
Copyright 2012-2022 Free Software Foundation Inc. Contributed by Altera and Mentor Graphics Inc
Copyright 2000-2022 Free Software Foundation Inc. Contributed by Paul Brook
Copyright 2001-2022 Free Software Foundation Inc. Contributed by Bob Wilson (bob.wilson@acm.org) at Tensilica
Copyright 1994-2022 Free Software Foundation Inc. Contributed by Michael K. Gschwind (mike@vlsivie.tuwien.ac.at)
Copyright 2011 Kyle Moffett
Copyright (C) 2018-2022 Free Software Foundation Inc. Contributed by STMicroelectronics.
Copyright 1995-2020 Free Software Foundation Inc. Written by Ulrich Drepper <drepper@cygnus.com>
Copyright 2016 Sociomantic Labs
Copyright (C) 1998-2022 Free Software Foundation Inc. Contributed by Catherine Moore <clm@cygnus.com>
Copyright (c) 1998 Cygnus Solutions
Copyright 2007-2011 Atheros Communications Inc
Copyright 2011, 2014, 2017, 2019, 2021 Anthony Green -
Copyright 1990-2000 Info-ZIP
Copyright (C) 2008-2022 Free Software Foundation Inc. Based on code contributed by CodeSourcery for ARM EABI Linux.
Modifications for PA Linux by Helge Deller <deller@gmx.de>
Copyright 2002 Free Software Foundation Origin C
Copyright 2012-2022 Free Software Foundation Inc. Contributed by Ilya Enkovich

Copyright 1999-2022 Free Software Foundation Inc. Originally contributed by Michael P. Hayes (m.hayes@elec.canterbury.ac.nz mhayes@redhat.com)

Copyright 1998-1999 Greg Colvin and Beman Dawes

Copyright 2001 Free Software Foundation Inc. Contributed by Jason Merrill

Copyright 2014-2022 Free Software Foundation Inc. Contributed by Dehao Chen (dehao@google.com)

Copyright (C) 1996-2022 Free Software Foundation Inc. Contributed by Michael Meissner (meissner@cygnus.com).

Copyright 2000-2022 Free Software Foundation Inc. Contributed by Steven Bosscher

Copyright (C) 2003 Free Software Foundation. PR target

Copyright 1996-2012, 2014 Red Hat Inc

Copyright 2003-2022 Free Software Foundation Inc. Contributed by Red Hat

Copyright 2002 Free Software Foundation Inc Contributed by Nathan Sidwell <nathan@codesourcery.com>

Copyright (C) 2004-2022 Free Software Foundation Inc. Contributed by Bud Davis and Janne Blomqvist.

Copyright 2000-2022 Free Software Foundation Inc. Written By Timothy Wall

Copyright 1998-2010 Gilles Vollant -

Copyright (C) 1995-2022 Free Software Foundation Inc. Contributed by David Henkel-Wallace Cygnus Support (gumby@cygnus.com) Rewritten by Adam Nemet LinuxWorks Inc.

Copyright 1998-2000, 2002-2004, 2007, 2009-2010 Free Software Foundation Originally by Alexandre Oliva <oliva@dcc.unicamp.br>

Copyright (C) 1998-2022 Free Software Foundation Inc. Contributed by Daniel Berlin (dan@cgsoftware.com). Re-implemented in C

Copyright 1999-2020 Digital Mars

Copyright 1989-2022 Free Software Foundation Inc. Contributed by A. Lichnewsky (lich@inria.inria.fr). Changed by Michael Meissner (meissner@osf.org)

Copyright 2008 Benjamin Kosnik <bkoz@redhat.com>

Copyright (C) 1996 MPEG Software Simulation Group. All Rights Reserved.

Copyright 2011 Free Software Foundation Inc. License GPLv3

Copyright 2013 IBM

Copyright (C) 2015-2022 Free Software Foundation Inc. Contributed by Imagination Technologies Ltd.

Copyright (C) 2002-2022 Free Software Foundation Inc. Contributed by Tobias Schluter

Copyright Nemanja Boric 2016

Copyright 2000-2022 Free Software Foundation Inc. Contributed by Alex Samuel <samuel@codesourcery.com>

Copyright 2013-2013 Igor Stepanov

Copyright (C) 2012-2022 Free Software Foundation Inc. Contributed by Andes Technology Corporation.for NDS32.

Copyright (C) 1997-2022 Free Software Foundation Inc. Contributed by Daniel Berlin <dan@cgsoftware.com>

Copyright 2003-2022 Free Software Foundation Inc. Contributed by Sebastian Pop <s.pop@laposte.net>

Copyright 2011-2022 Free Software Foundation Inc. Contributed by Dmitry Vyukov <dvyukov@google.com>

Copyright 1995 Free Software Foundation Inc... Core was

Copyright 2012-2022 Free Software Foundation Inc. Contributed by Jonah Graham (jgraham@altera.com). Contributed by Mentor Graphics Inc

Copyright 2003 years to include

Copyright 1991-2013 Unicode Inc. CLDR data files are interpreted according to the LDML specification

Copyright (C) 2006 Free Software Foundation Inc. Caslav Ilıc <caslav.ilic@gmx.net>

Copyright (C) 2001 Free Software Foundation Inc. Contributed by Jeffrey D. Oldham

Copyright (c) 2012 2016 Thorsten Glaser

Copyright 1991-2013 Unicode Inc

Copyright (C) 2002-2022 Free Software Foundation Inc. Contributed by Aldy Hernandez (aldy@quesejoda.com)

Copyright (C) 1998 Free Software Foundation by Alexandre Oliva <oliva@dcc.unicamp.br>

Copyright 1995-2017 Mark Adler

Copyright (C) 2014-2022 Free Software Foundation Inc. Contributed by Martin Liska

Copyright 2002-2022 Free Software Foundation Inc. Contributed by Zack Weinberg <zack@codesourcery.com>

Copyright 1991-2022 Free Software Foundation Inc. Contributed by ARM Ltd

Copyright 2014-2022 Free Software Foundation Inc. Written by Yury Gribov <y.gribov@samsung.com>

Copyright 2008-2009 Janice Caron

Copyright (C) 2015-2022 Free Software Foundation Inc. Contributed by Marcin Kocielnicki <koriakin@0x04.net>.

Copyright 1998-1999 ISO

Copyright 1994-1999 Lucent Technologies Inc

Copyright 2009-2010 Mathias Svensson

Copyright 2003-2022 Free Software Foundation Inc. Contributed by Douglas B Rupp (rupp@gnat.com)

Copyright (C) 2011-2022 Free Software Foundation Inc. Contributed by Ian Lance Taylor Google.

Copyright 1998-2022 Free Software Foundation Inc. Contributed by Axis Communications. Written by Hans-Peter Nilsson

Copyright 1997-2022 Free Software Foundation Inc. Contributed by Jason Merrill <jason@cygnus.com>
Copyright (C) 1996-2022 Free Software Foundation Inc. --- -- GARLIC is free software you can redistribute it and or modify it under --
Copyright 1991-2022 Free Software Foundation Inc. --- -- GNARL is free software
Copyright (c) 2002 2009 Free Software Foundation Inc. based on darwin.S by John Hornkvist
Copyright (C) 2001 2003 2004 Free Software Foundation Inc. Contributed by Ben Elliston <bje@redhat.com>
Copyright 1999-2022 Free Software Foundation Inc. Contributed by Vladimir Makarov (vmakarov@cygnus.com)
Copyright 1998-2000 Jacques Nomssi Nzali
Copyright 1998-2022 Free Software Foundation Inc. Contributed by Mark Mitchell (mark@markmitchell.com)
Copyright 2018 Ulf Adams
Copyright (C) 2003 Free Software Foundation Inc. Contributed by Wolfgang Bangerth <bangerth@ticam.utexas.edu>
Copyright (c) 2013 Imagination Technologies Ltd.
Copyright (C) 2011-2022 Free Software Foundation Inc. Contributed by Iain Sandoe <iains@gcc.gnu.org>
Copyright (C) 2018-2022 Free Software Foundation Inc. Contributed by Alexander Monakov.
(c) Willem van Schaik 1999
Copyright 2002 Free Software Foundation Contributed by Jason Merrill <jason@redhat.com>
Copyright 2004 Simon Posnjak
Copyright 2003 Chris Anderson <christop@charm.net> Please
Copyright (C) 2001-2022 Free Software Foundation Inc. Contributed by Joseph Myers <jsm28@cam.ac.uk>.
(c) 2008 Red Hat Inc. based on src pa linux.S
Copyright 2017-2019 D Language Foundation License Distributed
Copyright (C) 1996-2022 Free Software Foundation Inc. Contributed by Ian Lance Taylor <ian@cygnus.com>.
Copyright 2011-2022 Free Software Foundation Inc. Contributed by AdaCore
Copyright (C) 1996-2022 Free Software Foundation Inc. Contributed by David S. Miller (davem@caip.rutgers.edu)
copyright notice and use name Free Software Foundation Inc. . ChangeLog ChangeLog-2000
Copyright (C) 2019-2022 Free Software Foundation Inc. Major hacks by Aldy Hernandez <aldyh@redhat.com> and Andrew MacLeod
<amacleod@redhat.com>.
Copyright 2009-2022 Free Software Foundation Inc. Written by Ian Lance Taylor <iant@google.com>
Copyright 2011-2022 Free Software Foundation Inc. Contributed by Andrew Waterman (andrew@sifive.com). Based on MIPS target for
GNU compiler
Copyright 1997-2022 Free Software Foundation Inc. Contributed by Cygnus Solutions
Copyright 2007-2008 Even Rouault
Copyright 2008 the respective authors
Copyright 2011-2022 Free Software Foundation Inc. Contributed by Torvald Riegel <triegel@redhat.com>
Copyright Robert Klotzner 2012
Copyright 2004-2005, 2007-2009 Free Software Foundation Inc. Written by Gary V. Vaughan
Copyright 2003-2004 Free Software Foundation Inc. Contributed by Matt Austern <austern@apple.com>
Copyright 1992-2022 Free Software Foundation Inc. Contributed by Steve Chamberlain (sac@cygnus.com) Jim Wilson
(wilson@cygnus.com) and Doug Evans (dje@cygnus.com)
Copyright (C) 1999-2022 Free Software Foundation Inc. Contributed by Vladimir Makarov <vmakarov@cygnus.com>.
Copyright 1987-2022 Free Software Foundation Inc. Contributed by Michael Tiemann (tiemann@cygnus.com)
Copyright 1996-2010 Julian R Seward
Copyright 2007-2008, 2010-2012, 2016 Free Software Foundation Inc. Contributed by Sebastian Pop <sebastian.pop@amd.com>
Copyright (C) 2008-2022 Free Software Foundation Inc. Originally written by CodeSourcery for VFP.
Copyright 2002 2007 2009 Free Software Foundation Inc. echo This program is free software you may redistribute it under the echo
terms of the GNU General Public License. This program has
Copyright 2010-2016 Intel Corp
copyright notice to include 2003
Copyright 2012 Brian Aker <brian@tangent.org>
Copyright 2002-2022 Free Software Foundation Inc. Contributed by David Edelsohn (edelsohn@gnu.org)
Copyright (C) 2009 the Initial Developer. All Rights Reserved.
Copyright 2008 Christophe Tournayre <turn3r@users.sourceforge.net>
copyright 1987 1988 1989 john
Copyright 1995-2016 Jean-loup Gailly Mark Adler
Copyright 2005-2022 Free Software Foundation Inc. Contributed by IBM Corp. Author Mike Cowlshaw
Copyright 2008 Steven G. Johnson <stevenj@alum.mit.edu>
copyrights-go 2010-2022
Copyright (C) 2007-2022 Free Software Foundation Inc. Contributed by Danny Smith <dannysmith@users.sourceforge.net>

Copyright (C) 2014-2022 Free Software Foundation Inc. Contributed by Dimitar Dimitrov <dimitar@linux.eu> Based on the NIOS2 GCC port.

Copyright Christoph Hellwig 2019

Copyright (C) 1999 Free Software Foundation related to bug report by Leon Bottou <leonb@research.att.com>

Copyright 2008-2009 Jeremie Pelletier

Copyright 1987-2022 Free Software Foundation Inc. Hacked by Michael Tiemann (tiemann@cygnus.com)

Copyright 2009-2022 Free Software Foundation Inc. Contributed by Thomas Koenig

Copyright 2000 2001 2002 2007 2008 Free Software Foundation Inc https fsf.org

Copyright 2014 Jason King. Distributed

Copyright 2012-2022 Free Software Foundation Inc. Adapted from elf

Copyright 1999-2022 Free Software Foundation Inc. Contributed by Nathan Sidwell

Copyright 2001 Free Software Foundation Inc. Contributed by Jakub Jelinek

Copyright 2009-2022 Free Software Foundation Inc. Contributed by CodeSourcery Inc

Copyright 2010-2012, 2014, 2017-2019 License

Copyright (c) 1996-2003 Red Hat Inc. Target configuration macros for MIPS.

Copyright 2000-2022 Free Software Foundation Inc. Contributed by Richard Henderson <rth@cygnus.com>

Copyright 2012-2013 Xilinx Inc

Copyright (C) 2002-2022 Free Software Foundation Inc. Contributed by Aldy Hernandez (aldyh@redhat.com). Rewritten by Paolo Bonzini (bonzini@gnu.org).

Copyright 2008 Guido U. Draheim <guidod@gmx.de>

copyright 1996 Loren P. Meissner -- May be distributed if this line is included. Linked List operations with Pointer to Pointer

Copyright (C) 1993-2022 Free Software Foundation Inc. Contributed by Fred Fish (fnf@cygnus.com).

Copyright 2015 Moritz Klammler <moritz@klammler.eu>

Copyright (c) 2012 Alex Rnne Petersen Distributed under the Boost Software License Version

Copyright 2014 by Digital Mars License

Copyright 2004-2005 Mark Adler. --

Copyright 1984-2022 Free Software Foundation Inc

Copyright (c) 2009 Bradley Smith <brad@brad-smith.co.uk> Target configuration macros for AVR32.

Copyright (C) 1996-2019 Julian Seward <jseward@acm.org>

Copyright (C) 2002-2022 Free Software Foundation Inc. Contributed by Paul Brook <paul@nowt.org> and Andy Vaught

Copyright 2003-2022 Free Software Foundation Inc. Written by CodeSourcery LLC

Copyright 2008-2022 Free Software Foundation Inc. Contributed by Anthony Green

Copyright (C) 1987-2022 Free Software Foundation Inc. Written by Benjamin Chelf <chelf@codesourcery.com>

Copyright 2004-2022 Free Software Foundation Inc. Contributed by Janne Blomqvist

Copyright 1992-2022 Free Software Foundation Inc. Written By David Vinayak Henkel-Wallace June

Copyright 2012-2022 Free Software Foundation Inc. Contributed by Andes Technology Corp

Copyright (c) 1996-2003 Red Hat Inc. Target configuration macros for SPARC.

Copyright 2014-2022 Free Software Foundation Inc. Contributed by John Marino <gnugcc@marino.st>

Copyright (C) 2006-2022 Free Software Foundation Inc. Contributed by Paul Brook <paul@codesourcery.com>

Copyright 2012 Alexandre K. I. de Mendonca <alexandre.keunecke@gmail.com> Paulo Pizarro <paulo.pizarro@gmail.com>

Copyright 2001 Stephen L. Moshier <moshier@na-net.ornl.gov>

Copyright 2018-2022 Free Software Foundation Inc. Contributed by Nicolas Koenig

Copyright 2007 Free Software Foundation Inc. Contributed by Ollie Wild <aaw@google.com>. define GOT

Copyright 2019-2022 Free Software Foundation Inc. Contributed by Arm

Copyright 2004-2022 Free Software Foundation Inc. Contributed by Ayal Zaks and Mustafa Hagog

Copyright 2000 Free Software Foundation by Alexandre Oliva <aoliva@redhat.com>

Copyright (C) 1998-2009 Free Software Foundation Inc. -- - - - GNAT is free software you can redistribute it and or modify it under --

Copyright (C) 2012-2022 Free Software Foundation Inc. Contributed by Lawrence Crowl.

Copyright (c) 2013 Imagination Technologies

Copyright (C) 1991-2022 Free Software Foundation Inc. Contributed by Ron Guilmette (rfg@sefault.us.com)

Copyright (C) 2002-2022 Free Software Foundation Inc. Contributed by Wasabi Systems. Inc.

Copyright (c) 2004 Renesas Technology. Target configuration macros for M32R.

Copyright 2008-2022 Free Software Foundation Inc. Contributed by Richard Guenther <rguenther@suse.de>

Copyright 2004-2022 Free Software Foundation Inc. Contributed by Steven G. Kargl <kargls@comcast.net>

Copyright (C) 2008-2022 Free Software Foundation Inc. Contributed by Wolfgang Gellerich (gellerich@de.ibm.com).

Copyright 2000-2003 Software Foundation Inc

Copyright (C) 2014-2022 Free Software Foundation Inc. Based on lib2divQI.

Copyright (C) 1999-2022 Free Software Foundation Inc. Contributed by Philip Blundell <pb@nexus.co.uk>

Copyright (C) 2004-2022 Free Software Foundation Inc. echo echo This file is part of GCC.
(C) 2010 Free Software Foundation Written by Ralf Wildenhues <Ralf.Wildenhues@gmx.de>.
Copyright 1996 L. Peter Deutsch
Copyright (C) 2002-2022 Free Software Foundation Inc. Contributed by John David Anglin (dave.anglin@nrc.ca).
Copyright 2001-2022 Free Software Foundation Inc. Contributed by David E. O'Brien <obrien@FreeBSD.org> and BSDi
Copyright 1991-2022 Free Software Foundation Inc. -- -- -- GNAT is free software
Copyright 2016, 2018 D Language Foundation License
Copyright (C) 2010-2022 Free Software Foundation Inc. Written by Marcus Shawcroft (marcus.shawcroft@arm.com) 64bit Atomics by
Dave Gilbert (david.gilbert@linaro.org)
Copyright 2014-2020 Advanced Micro Devices Inc
Copyright 2009-2022 Free Software Foundation Inc. Contributed by Anthony Green <green@moxielogic.com>
Copyright 1995-1996 Jean-loup Gailly Brian Raiter and Gilles Vollant. File written by Gilles Vollant by converting match686.S from Brian
Raiter for MASM
Copyright 2015-2022 Free Software Foundation Inc. Contributed by Mentor Embedded
Copyright 2000, 2007 Software AG
Copyright (C) 2005-2022 Free Software Foundation Inc. Contributed by Geoffrey Keating.
Copyright 2004 Henrik Ravn
Copyright 1995-2022 Free Software Foundation Inc. Contributed by Cygnus Support
Copyright (C) 2003-2022 Free Software Foundation Inc. Updated by CodeSourcery LLC.
copyright years add 2003
Copyright (c) 1996 1997 Silicon Graphics
Copyright 2010-2022 Free Software Foundation Inc. Contributed by Tobias Burnus <burnus@net-b.de>
Copyright 2001-2022 Free Software Foundation Inc. Benjamin Kosnik <bkoz@redhat.com>
Copyright (c) 1997 by Rick Booth From Inner Loops by Rick Booth Addison-Wesley
Copyright 2002-2003, 2009-2012 Arm Ltd
Copyright 2013 Synopsys Inc
Copyright (C) 2001-2022 Free Software Foundation Inc. Originally by Gerald Pfeifer <pfeifer@dbai.tuwien.ac.at> June
Copyright (C) 1999-2022 Free Software Foundation Inc. Contributed by Mumit Khan <khan@xraylith.wisc.edu>. Modified and moved to
separate file by Danny Smith
Copyright 2010-2022 Free Software Foundation Inc. Contributed by Nicola Pero <nicola.pero@meta-innovation.com>
Copyright 2010-2017 Free Software Foundation Inc. Written by Peter Rosin <peda@lysator.liu.se>
Copyright 2003 Jakub Jelinek <jakub@redhat.com>
Copyright 2012-2022 Free Software Foundation Inc. Contributed by KPIT Cummins Infosystems Ltd
Copyright 1996-2022 Free Software Foundation Inc. Contributed by Galen C. Hunt (gchunt@cs.rochester.edu)
Copyright (C) 2003 Free Software Foundation Inc. Contributed by Raymond <raymond@magma.magma-da.com>.
Copyright 2003-2022 Free Software Foundation Inc. Written by Ian Lance Taylor <ian@wasabisystems.com>
Copyright 2007 to include
Copyright (C) 2001-2022 Free Software Foundation Inc. Contributed by Richard Henderson (rth@redhat.com)
Copyright 2005-2022 Free Software Foundation Inc. Contributed by Francois-Xavier Coudert <coudert@clipper.ens.fr>
for functions. Fix header format. Add copyright 2001
Copyright 1992-2022 AdaCore -- -- -- GNAT is free software
Copyright 2002 Free Software Foundation Inc. Contributed by Matt Austern
Copyright (C) 1989 by Matthew Self. You may freely distribute verbatim copies of this software provided that this
Copyright 1997-2022 Free Software Foundation Inc. Contributed by Andrew MacLeod <amacleod@cygnus.com> Andrew Haley
<aph@cygnus.com>
Copyright (C) 2004 2005 2006 Cavium Networks.
Copyright 1993-2022 Free Software Foundation Inc. Contributed by Philip Blundell <philb@gnu.org>
Copyright (C) 2003 Free Software Foundation. by Roger Sayle <roger@eyesopen.com> derived from mzero3.
Copyright 2006-2022 Free Software Foundation Inc. Written by Carlos O'Donnell <carlos@codesourcery.com>
Copyright 2002-2004 Dmitry Anisimkov -- -- -- Open source license information is in the zlib.ads file. --
Copyright 2001-2003 Peter Dimov
Copyright (C) 1997-2022 Free Software Foundation Inc. Contributed by Ovidiu Predescu (ovidiu@net-community.com).
Copyright 2008-2010, 2012 Free Software Foundation Contributed by Janis Johnson <janis187@us.ibm.com>
Copyright 2004-2022 Free Software Foundation Inc. Contributed by Kenneth Zadeck <zadeck@naturalbridge.com>
Copyright 2008-2022 Free Software Foundation Inc. Contributed by Jan Sjodin <jan.sjodin@amd.com> and Sebastian Pop
<sebastian.pop@amd.com>
Copyright (C) 2002-2022 Free Software Foundation Inc. Contributed by Andy Vaught and Janne Blomqvist

Copyright (C) 1994 Stephen L. Moshier (moshier@world.std.com). Authors Stephen L. Moshier ported to D by Don Clugston and David Nadlinger

Copyright 2014-2022 Free Software Foundation Inc. Written by Iain Buclaw (ibuclaw@gdcproject.org)

Copyright Kenji Hara 2014

Copyright 1994-2022 Free Software Foundation Inc. dnl

Copyright (C) 2000-2022 Free Software Foundation Inc. Contributed by Nick Clifton (nickc@redhat.com)

Copyright 2005-2022 Free Software Foundation Inc. Written by Ian Lance Taylor <ian@airs.com>

Copyright (C) 2003-2022 Free Software Foundation Inc. Contributed by kejia Zhao

Copyright (C) 1994-2022 Free Software Foundation Inc. Contributed by Doug Evans dje@cygnus.com.

Copyright 2001-2022 Free Software Foundation Inc. Contributed by Diego Novillo <dnovillo@redhat.com>

Copyright (C) 2004-2022 Free Software Foundation Inc. Contributed by Apple Inc.

Copyright (C) 2012-2022 Free Software Foundation Inc. Contributed by Jonah Graham (jgraham@altera.com) and Will Reece (wreece@altera.com).

Copyright (c) 2013 Lars Tandle Kyllingstad. License

Copyright (C) 2007-2022 Free Software Foundation Inc. Contributed by Ben Elliston (bje@au.ibm.com) and Peter Bergner (bergner@vnet.ibm.com).

Copyright 2008-2010, 2012 Free Software Foundation Inc. Written by Ralf Wildenhues <Ralf.Wildenhues@gmx.de>

Copyright 2007-2022 Free Software Foundation Inc. Contributed by Aldy Hernandez <aldyh@redhat.com>

Copyright (C) 1992-2022 Free Software Foundation Inc. Contributed by Ron Guilmette (rfg@netcom.com). Additional changes by David V. Henkel-Wallace (gumby@cygnus.com).

Copyright 1995-2017 Jean-Loup Gailly Mark Adler. OS

Copyright (C) 1996-2022 Free Software Foundation Inc. Contributed by Eddie C. Dost (ecd@skynet.be)

Copyright (C) 1995-2022 Free Software Foundation Inc. Contributed by Tim Moore (moore@defmacro.cs.utah.edu)

Copyright 1997 Christian Michelsen Research AS Advanced Computing

Copyright 1999, 2008 The Open Group The Institute of Electrical and Electronics Engineers Inc

Copyright (c) 2007 by Till Harbaum <till@harbaum.org>

Copyright 1998-2009 The Free Software Foundation Inc

Copyright Danny Milosavljevic 2014

Copyright (C) 1998-2022 Free Software Foundation Inc. Contributed by Georg Lay (avr@gjlay.de)

Copyright 2014-2022 Free Software Foundation Inc. Contributed by Mentor Graphics

Copyright 2001-2002, 2007 Free Software Foundation. by Hans-Peter Nilsson <hp@axis.com>

Copyright (C) 2005-2022 Free Software Foundation Inc. Contributed by Ilie Garbacea <ilie@mips.com> Chao-ying Fu <fu@mips.com>.

Copyright (C) 2019-2022 Free Software Foundation Inc. Contributed by Thomas Knig <tkoenig@gcc.gnu.org>

Copyright 2001-2022 Free Software Foundation Inc. Written By Nick Clifton

Copyright 2002-2022 Free Software Foundation Inc. . Contributed by David Edelsohn (edelsohn@gnu.org)

Copyright (C) 2006 Free Software Foundation Inc. Original test by Hans-Peter Nilsson <hp@bitrange.com>

Copyright 1997 Borland Corp

Copyright (C) 2016-2022 Free Software Foundation Inc. Contributed by Claudiu Zissulescu (claziss@synopsys.com)

Copyright 2001-2022 AdaCore

Copyright (C) 2004-2022 Free Software Foundation Inc. Contributed by Janus Weil <janus@gcc.gnu.org>.

Copyright 2000-2022 Free Software Foundation Inc. Contributed by Jes Sorensen <Jes.Sorensen@cern.ch>

Copyright (C) 2001-2022 Free Software Foundation Inc. Contributed by matthew green <mrg@eterna.com.au>

Copyright 2000 Addison Wesley Inc

Copyright (c) 2002 2003 2004 2010 Free Software Foundation Inc. based on ppc

Copyright (c) 2002 Ranjit Mathew

Copyright (C) 2007-2022 Free Software Foundation Inc. Contributed by Charles-Antoine Gauthier (charles.gauthier@nrc.ca).

Copyright 2014-2022 Free Software Foundation Inc. Contributed by Dimitar Dimitrov <dimitar@linux.eu>

Copyright 2002 Free Software Foundation Inc. Ales Nyakhaychyk <nyakhaychyk@i18n.linux.by>

Copyright (C) 2018-2022 Free Software Foundation Inc. Contributed by Douglas B Rupp

Copyright 1999-2022 Free Software Foundation Inc. Contributed by James E. Wilson <wilson@cygnus.com> and David Mosberger <davidm@hpl.hp.com>

Copyright 2020-2022 Free Software Foundation Inc. Contributed by Steven G. Kargl <kargl@gcc.gnu.org> and Fritz Reese <foreese@gcc.gnu.org>

Copyright 2007-2022 AdaCore -- -- --

Copyright (C) 1995-2022 Free Software Foundation Inc. Contributed by Richard Earnshaw (rearnsha@armhpl.co.uk).

Copyright 1999 Citrus Project

Copyright Guillaume Chatelet 2016

Copyright 1993-2022 Free Software Foundation Inc. Contributed by Steve Chamberlain (sac@cygnus.com). Improved by Jim Wilson (wilson@cygnus.com)

Copyright 2015-2022 Free Software Foundation Inc. Contributed by Jack Howarth <howarth.at.gcc@gmail.com>

Copyright (C) 2000 Free Software Foundation Inc. Contributed by Loren J. Rittle

Copyright 2009-2022 Free Software Foundation Inc. Written by Cary Coutant <ccoutant@google.com>

Copyright 2009-2019 the contributors listed in CREDITS.TXT

Copyright 2018-2020, 2022 D Language Foundation

Copyright (C) 2002-2022 Free Software Foundation Inc. Contributed by Andy Vaught Namelist output contributed by Paul Thomas

Copyright (c) 2008 Warren Young <warren@etr-usa.com>

Copyright textcopyright 2014-2016

Copyright (C) 1998 - 2010 Daniel Stenberg < daniel@haxx.se> et al.

Copyright 1989-2022 Free Software Foundation Inc. Contributed by Apple Computer Inc

Copyright 2011-2012 Tilera Corp

Copyright 1996-2021 Anthony Green Red Hat Inc and others

Copyright 1995-2022 Free Software Foundation Inc. Contributed by Pieter J. Schoenmakers <tiggr@es.ele.tue.nl>

Copyright (C) 1988-2022 Free Software Foundation Inc. Mostly by William Schelter.

Copyright 2012 Martin Nowak

Copyright 2012-2022 Free Software Foundation Inc. Contributed by C-SKY Microsystems and Mentor Graphics

Copyright 2005-2022 Free Software Foundation Inc. dnl dnl

Copyright 2016-2022 Free Software Foundation Inc. Contributed by Daniel Santos <daniel.santos@pobox.com>

Copyright 2000-2022 Free Software Foundation Inc. Contributed by Andy Vaught

Copyright 1999-2022 The D Language Foundation

Copyright 1994-2022 Free Software Foundation Inc. Contributed by Embecosm on behalf of Adapteva Inc

Copyright 2007 Free Software Foundation Contributed by Ollie Wild <aaw@google.com> Origin Volker Reichelt <reichelt@gcc.gnu.org>

Copyright (C) 2009 Canonical Ltd. Author Kees Cook <kees@ubuntu.com> License GPLv3

Copyright 2017-2022 Free Software Foundation Inc. Contributed by Andrew MacLeod <amacleod@redhat.com> and Aldy Hernandez <aldyh@redhat.com>

Copyright 1994-2022 Free Software Foundation Inc. Contributed by Richard Earnshaw (richard.earnshaw@arm.com)

Copyright 2007 Free Software Foundation Contributed by Andreas Krebbel <Andreas.Krebbel@de.ibm.com>

Copyright (C) 1994 Stephen L. Moshier (moshier@world.std.com). License

Copyright (C) 2012-2022 Free Software Foundation Inc. Contributed by Sean D'Epagnier (sean@depagnier.com) Georg-Johann Lay (avr@gjlay.de)

Copyright 1994 HEWLETT-PACKARD Co

Copyright 1998 Andreas R. Kleinert

Copyright 1995-2022 Jean-loup Gailly and Mark Adler

Copyright (C) 2002 Free Software Foundation Inc. Contributed by Nathan Sidwell <nathan@codesourcery.com>

Copyright 2007-2022 Free Software Foundation Inc. Contributor Claudiu Zissulescu <claudiu.zissulescu@synopsys.com>

Copyright (C) 2002 Free Software Foundation. by Hans-Peter Nilsson <hp@bitrange.com> derived from mzero2.

Copyright 2013-2022 Free Software Foundation Inc. Contributed by Andrew Sutton (andrew.n.sutton@gmail.com)

Copyright (C) 2005 Free Software Foundation Inc. PR

Copyright 2002 Free Software Foundation Inc. Source Neil Booth

Copyright 2000-2005 Free Software Foundation Contributed by Kriang Lerdsuwanakij <lerdsuwa@users.sourceforge.net>

Copyright 2000-2022 Free Software Foundation Inc. Contributed by Gabriel Dos Reis <gdr@codesourcery.com>

Copyright (C) 2004-2011 Christopher E. Miller

Copyright 2008 Steven Schveighoffer. Other code

Copyright 2013 Tensilica Inc

Copyright 2016-2017 Erik Stromdahl <erik.stromdahl@gmail.com>

Copyright 1995-2022 Free Software Foundation Inc. Written By Michael Meissner

Copyright 2006 Free Software Foundation Inc. Contributed by Carlos O'Donell on

Copyright (c) 2002 Roger Sayle

Copyright (C) 2010-2022 Free Software Foundation Inc. Contributed by Christian Borntraeger (Christian.Borntraeger@de.ibm.com)

Andreas Krebbel (Andreas.Krebbel@de.ibm.com)

Copyright 1999-2022 Free Software Foundation Inc. Written by Mark Mitchell <mark@codesourcery.com>

Copyright 1984, 1991 Stephen L. Moshier Adapted for glibc November

COPYRIGHT SIGN (16 000AA 16

Copyright 2001-2022 Free Software Foundation Inc. Contributed by Bob Wilson (bwilson@tensilica.com) at Tensilica

Copyright (C) 2006-2022 Free Software Foundation Inc. Contributed by Paul Thomas

Copyright 2015 Michael Knyszek <mknyszek@berkeley.edu>

Vivado ML Lab Solutions Third Party Licensing Guide 2025.10.24 204

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

>>>> boost

DRuntime: Runtime Library for the D Programming Language

=====

Boost Software License - Version 1.0 - August 17th, 2003

Permission is hereby granted, free of charge, to any person or organization obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following:

The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

>>>>

Boost Software License - Version 1.0 - August 17th, 2003

Permission is hereby granted, free of charge, to any person or organization obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following:

The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

>>>> functions:

 This function is in the public domain. */

>>>> doc

Copyright (C) 2005-2019 Free Software Foundation, Inc.

This is part of the GNU Fortran manual.

For copying conditions, see the file gfortran.texi.

Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with the Invariant Sections being ``Funding Free Software'', the Front-Cover Texts being (a) (see below), and with the Back-Cover Texts being (b) (see below). A copy of the license is included in the gfdl(7) man page.

>>>

=====

compiler_rt License

=====

The compiler_rt library is dual licensed under both the University of Illinois "BSD-Like" license and the MIT license. As a user of this code you may choose to use it under either license. As a contributor, you agree to allow your code to be used under both.

Full text of the relevant licenses is included below.

=====

University of Illinois/NCSA
Open Source License

Copyright (c) 2009-2012 by the contributors listed in CREDITS.TXT

All rights reserved.

Developed by:

LLVM Team

University of Illinois at Urbana-Champaign

<http://llvm.org>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal with the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimers.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimers in the documentation and/or other materials provided with the distribution.
- * Neither the names of the LLVM Team, University of Illinois at Urbana-Champaign, nor the names of its contributors may be used to endorse or promote products derived from this Software without specific prior written permission.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE CONTRIBUTORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS WITH THE SOFTWARE.

=====

Copyright (c) 2009-2012 by the contributors listed in CREDITS.TXT

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

=====

Copyrights and Licenses for Third Party Software Distributed with LLVM:

=====

The LLVM software contains code written by third parties. Such software will have its own individual LICENSE.TXT file in the directory in which it appears. This file will describe the copyrights, license, and restrictions which apply to that code.

The disclaimer of warranty in the University of Illinois Open Source License applies to all code in the LLVM Distribution, and nothing in any of the other licenses gives permission to use the names of the LLVM Team or the University of Illinois to endorse or promote products derived from this Software.

The following pieces of software have additional or alternate copyrights, licenses, and/or restrictions:

Program	Directory
-----	-----
mach_override	lib/interception/mach_override

```
>>>>
//
// Part of the LLVM Project, under the Apache License v2.0 with LLVM Exceptions.
// See https://llvm.org/LICENSE.txt for license information.
// SPDX-License-Identifier: Apache-2.0 WITH LLVM-exception
//
```

---- LLVM Exceptions to the Apache 2.0 License ----

=====

The LLVM Project is under the Apache License v2.0 with LLVM Exceptions:

=====

The text of the Apache License, Version 2.0, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

As an exception, if, as a result of your compiling your source code, portions of this Software are embedded into an Object form of such source code, you may redistribute such embedded portions in such Object form without complying with the conditions of Sections 4(a), 4(b) and 4(d) of the License.

In addition, if you combine or link compiled forms of this Software with software that is licensed under the GPLv2 ("Combined Software") and if a court of competent jurisdiction determines that the patent provision (Section 3), the indemnity provision (Section 9) or other Section of the License conflicts with the conditions of the GPLv2, you may retroactively and prospectively choose to deem waived or otherwise exclude such Section(s) of the License, but only in their entirety and only with respect to the Combined Software.

=====

Software from third parties included in the LLVM Project:

=====

The LLVM Project contains third party software which is under different license terms. All such code will be identified clearly using at least one of two mechanisms:

- 1) It will be in a separate directory tree with its own `LICENSE.txt` or `LICENSE` file at the top containing the specific license and restrictions

which apply to that software, or
2) It will contain specific license and restriction terms at the top of every
file.

=====

Legacy LLVM License (<https://llvm.org/docs/DeveloperPolicy.html#legacy>):

=====

The software contained in this directory tree is dual licensed under both the
University of Illinois "BSD-Like" license and the MIT license. As a user of
this code you may choose to use it under either license. As a contributor,
you agree to allow your code to be used under both.

Full text of the relevant licenses is included below.

=====

University of Illinois/NCSA
Open Source License

Copyright (c) 2017-2019 by the contributors listed in CREDITS.TXT

All rights reserved.

Developed by:
Threading Runtimes Team
Intel Corporation
<http://www.intel.com>

Permission is hereby granted, free of charge, to any person obtaining a copy of
this software and associated documentation files (the "Software"), to deal with
the Software without restriction, including without limitation the rights to
use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies
of the Software, and to permit persons to whom the Software is furnished to do
so, subject to the following conditions:

- * Redistributions of source code must retain the above copyright notice,
this list of conditions and the following disclaimers.
- * Redistributions in binary form must reproduce the above copyright notice,
this list of conditions and the following disclaimers in the
documentation and/or other materials provided with the distribution.
- * Neither the names of Intel Corporation Threading Runtimes Team nor the
names of its contributors may be used to endorse or promote products
derived from this Software without specific prior written permission.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS
FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
CONTRIBUTORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS WITH THE
SOFTWARE.

=====

Copyright (c) 2017-2019 by the contributors listed in CREDITS.TXT

Permission is hereby granted, free of charge, to any person obtaining a copy

of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

>>>>>

This program, "bzip2", the associated library "libbzip2", and all documentation, are copyright (C) 1996-2010 Julian R Seward. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
3. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
4. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

>>> unicode

ï»¿UNICODE, INC. LICENSE AGREEMENT - DATA FILES AND SOFTWARE

Unicode Data Files include all data files under the directories <http://www.unicode.org/Public/>, <http://www.unicode.org/reports/>, and <http://www.unicode.org/cldr/data/>. Unicode Data Files do not include PDF online code charts under the directory <http://www.unicode.org/Public/>. Software includes any source code published in the Unicode Standard or under the directories <http://www.unicode.org/Public/>, <http://www.unicode.org/reports/>, and <http://www.unicode.org/cldr/data/>.

NOTICE TO USER: Carefully read the following legal agreement. BY DOWNLOADING, INSTALLING, COPYING OR OTHERWISE USING UNICODE INC.'S DATA FILES ("DATA FILES"), AND/OR SOFTWARE ("SOFTWARE"), YOU UNEQUIVOCALLY ACCEPT, AND AGREE TO BE BOUND BY, ALL OF THE TERMS AND CONDITIONS OF THIS AGREEMENT. IF YOU DO NOT AGREE, DO NOT DOWNLOAD, INSTALL, COPY, DISTRIBUTE OR USE THE DATA FILES OR SOFTWARE.

COPYRIGHT AND PERMISSION NOTICE

Copyright © 1991-2013 Unicode, Inc. All rights reserved. Distributed under the Terms of Use in <http://www.unicode.org/copyright.html>.

Permission is hereby granted, free of charge, to any person obtaining a copy of the Unicode data files and any associated documentation (the "Data Files") or Unicode software and any associated documentation (the "Software") to deal in the Data Files or Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Data Files or Software, and to permit persons to whom the Data Files or Software are furnished to do so, provided that (a) the above copyright notice(s) and this permission notice appear with all copies of the Data Files or Software, (b) both the above copyright notice(s) and this permission notice appear in associated documentation, and (c) there is clear notice in each modified Data File or in the Software as well as in the documentation associated with the Data File(s) or Software that the data or software has been modified.

THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE DATA FILES OR SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in these Data Files or Software without prior written authorization of the copyright holder.

Copyright (C) 2007-2018 Free Software Foundation Inc. Contributed by Kenneth Zadeck (zadeck@naturalbridge.com).
Copyright 2013 Miodrag Vallat. <miod@openbsd.org>
Copyright 2001-2004 Free Software Foundation Inc. Simos Xenitellis <simos@hellug.gr>
Copyright 1992-2018 Free Software Foundation Inc. Written By David Vinayak Henkel-Wallace June
Copyright 1998-1999 Cygnus Solutions
Copyright (C) 2012-2018 Free Software Foundation Inc. Contributed by Sean D'Epagnier (sean@depagnier.com) Georg-Johann Lay (avr@gjlay.de)
Copyright (C) 1996-2018 Free Software Foundation Inc. Contributed by Richard Henderson (rth@tamu.edu).
Copyright (C) 2002-2018 Free Software Foundation Inc. Contributed by Ben Elliston <bje@redhat.com> and Andrew MacLeod <amacleod@redhat.com>
Copyright 2000-2007 Lucent Technologies Inc. and others
Copyright 1996-2018 Free Software Foundation Inc. Contributed by Michael Meissner (meissner@cygnus.com)
Copyright 2007-2018 Free Software Foundation Inc. Contributed by Aldy Hernandez <aldyh@redhat.com>
Copyright (C) 2002-2018 Free Software Foundation Inc. Contributed by Paul Brook <paul@nowt.org> and Andy Vaught <andy@xena.eas.asu.edu>
Copyright 2011-2018 Free Software Foundation Inc. Contributed by Diego Novillo <dnovillo@google.com>
Copyright 1998-2010 Gilles Vollant
Copyright 2010-2018 Free Software Foundation Inc. Contributed by Andrew Jenner <andrew@codesourcery.com> Contributed by Bernd Schmidt <bernds@codesourcery.com>
Copyright (C) 2014-2018 Free Software Foundation Inc. Written by Iain Buclaw (ibuclaw@gdcproject.org)
Copyright (C) 2006-2018 Free Software Foundation Inc. Contributed by Sebastian Pop <pop@cri.enscm.fr> Zdenek Dvorak <dvorakz@suse.cz> and Razya Ladelsky <razia@il.ibm.com>.
Copyright 2008-2018 Free Software Foundation Inc. Contributed by Thomas Koenig <tkenig@gcc.gnu.org> based on unpack
Copyright 1995-2017 Jean-loup Gailly detect
Copyright 2008-2018 Free Software Foundation Inc. Contributed by Michael Eager eager@eagercon.com
Copyright 1995-2010 Jean-loup Gailly Brian Raiter and Gilles Vollant
Copyright 1996-2018 Free Software Foundation Inc. Contributed by Bob Manson <manson@cygnus.com>. Completely remangled by Nathan Sidwell <nathan@codesourcery.com>
Copyright (C) 1998-2018 Free Software Foundation Inc. Written by Mark Mitchell (mmitchell@usa.net) based on code found formerly in parse.
Copyright 2013-2018 Free Software Foundation Inc. Contributed by Francois-Xavier Coudert <fxcoudert@gcc.gnu.org>
Copyright (C) 2014 Free Software Foundation Inc. Written by David Malcolm <dmalcolm@redhat.com>.
Copyright (C) 2000-2018 Free Software Foundation Inc. Adapted from original RTL SSA-CCP by Daniel Berlin <dberlin@dberlin.org>
Adapted to GIMPLE trees by Diego Novillo <dnovillo@redhat.com>
Copyright 2010-2018 Free Software Foundation Inc. Contributed by Bernd Schmidt <bernds@codesourcery.com> Contributed by CodeSourcery
Copyright (C) 2002 Free Software Foundation Inc. Contributed by Andreas Bauer <baueran@in.tum.de>
Copyright (C) 2015-2018 Free Software Foundation Inc. Contributed by Marcin Kocielnicki <koriakin@0x04.net>.
Copyright 2009-2018 Free Software Foundation Inc. Contributed by Sebastian Pop <sebastian.pop@amd.com> and Tobias Grosser <grosser@fim.uni-passau.de>
Copyright (c) 1996-1998 John D. Polstra. All rights reserved.
Copyright 2011-2018 Free Software Foundation Inc. Contributed by AdaCore
Copyright (C) 2006-2018 Free Software Foundation Inc. Contributed by Paul Brook <paul@codesourcery.com>
Copyright (c) 2012 Alan Hourihane
Copyright (C) 2015-2018 Free Software Foundation Inc. Contributed by Dmitry Vyukov <dvyukov@google.com> and Wish Wu <wishwu007@gmail.com>
Copyright (C) 1999 2000 2002 National Research Council of Canada.
Copyright (C) 2002 Free Software Foundation Contributed by Kriang Lerdsuwanakij <lerdsuwa@users.sourceforge.net> Split into pieces for binary compatibility testing October
Copyright 2000-2018 Free Software Foundation Inc. Contributed by Steven Bosscher
Copyright (C) 2013-2018 Free Software Foundation Inc. Written by Ian Lance Taylor Google and David Edelsohn IBM.
Copyright (C) 1998-2018 Free Software Foundation Inc. Written by Mark Michell (mark@codesourcery.com).
Copyright 1996-2003 Free Software Foundation Inc. Taken from GNU libtool
Copyright 2002-2018 Free Software Foundation Inc. Contributed by Zack Weinberg <zack@codesourcery.com>
Copyright (C) 1992-2018 Free Software Foundation Inc. Contributed by Gary Funck (gary@intrepid.com). Derived from DWARF
Copyright 2012-2018 Free Software Foundation Inc. Contributed by Jonah Graham (jgraham@altera.com). Contributed by Mentor Graphics Inc

Copyright (C) 2001-2018 Free Software Foundation Inc. Contributed by David E. O'Brien <obrien@FreeBSD.org>.
Copyright 1988, 2000, 2002 Free Software Foundation written by Doug Lea (dl@rocky.oswego.edu)
Copyright 2010-2018 Free Software Foundation Inc. Contributed by Bernd Schmidt <bernds@codesourcery.com>
Copyright 2000-2007 Vita Nuova Holdings Ltd
Copyright 1998-2018 Free Software Foundation Inc. Contributed by Denis Chertykov (chertykov@gmail.com)
Copyright (c) 2012 Thorsten Glaser
copyrights-brig 2017-2018
Copyright (C) 2016-2018 Free Software Foundation Inc. Contributed by Than McIntosh Google.
Copyright (C) 1998-2018 Free Software Foundation Inc. Contributed by Ovidiu Predescu.
Copyright (c) 1996-2003 Red Hat Inc. Target configuration macros for SuperH - SHmedia.
Copyright 2000-2018 Free Software Foundation Inc. Contributed by Zack Weinberg Mar
Copyright 2001-2018 Free Software Foundation Inc. Contributed by Ziemowit Laski <zlaski@apple.com>
Copyright 1993-2018 Free Software Foundation Inc. Contributed by Steve Chamberlain (sac@cygnus.com). Improved by Jim Wilson (wilson@cygnus.com)
Copyright (C) 2010 Doug Evans.
Copyright 2010-2018 Free Software Foundation Inc. Contributed by Nicola Pero <nicola.pero@meta-innovation.com>
Copyright (C) 2015-2018 Free Software Foundation Inc. Contributed by Yoshinori Sato <ysato@users.sourceforge.jp>
Copyright 2005-2018 Free Software Foundation Inc. Contributed by Geoffrey Keating
Copyright (C) 1995-2018 Free Software Foundation Inc. Contributed by Richard Earnshaw (rearnsha@arm ltd.co.uk).
Copyright 2012-2018 Free Software Foundation Inc. Contributed by Andreas Krebbel (Andreas.Krebbel@de.ibm.com)
Copyright 2000-2001 John Hornkvist
Copyright 2008-2018 Free Software Foundation Inc. Contributed by Anthony Green
Copyright 1984, 1991 Stephen L. Moshier Adapted for glibc October
Copyright (c) 1998 2012 Andreas Schwab
Copyright 2001-2018 Free Software Foundation Inc. Contributed by Bob Wilson (bwilson@tensilica.com) at Tensilica
Copyright 2007-2018 Free Software Foundation Inc. Contributed by Ollie Wild <aaw@google.com>
Copyright (C) 1992-2018 Free Software Foundation Inc. Contributed by Richard Kenner (kenner@vlsi1.ultra.nyu.edu). Hacked by Michael Tiemann (tiemann@cygnus.com).
Copyright (C) 2009-2018 Free Software Foundation Inc. Contributed by Jack Howarth <howarth@bromo.med.uc.edu>.
Copyright 1991 Per Bothner
Copyright (C) 1998-2018 Free Software Foundation Inc. Contributed by Ulrich Drepper <drepper@cygnus.com>
Copyright 2005-2018 Free Software Foundation Inc. Contributed by Analog Devices
Copyright (c) 2013 Synposys Inc.
Copyright 1983 Regents of the University of California. msgstr Basierend auf BSD gprof
Copyright 2000 Addison Wesley Longman Inc
Copyright 2002, 2007 Bo Thorsen <bo@suse.de>
Copyright (C) 1989-2018 Free Software Foundation Inc. Contributed by A. Lichnewsky lich@inria.inria.fr Changes by Michael Meissner meissner@osf.org
Copyright (C) 2002-2018 Free Software Foundation Inc. Contributed by Andy Vaught and Janne Blomqvist
Copyright (C) 1987-2018 Free Software Foundation Inc. Contributed by Michael Tiemann (tiemann@cygnus.com) and modified by Brendan Kehoe (brendan@cygnus.com).
Copyright (C) 2007-2018 Free Software Foundation Inc. Contributed by Danny Smith <dannysmith@users.sourceforge.net>
Copyright 2009-2018 Free Software Foundation Inc. Contributed by Jack Howarth <howarth.at.gcc@gmail.com>
Copyright (c) 1996-2003 Red Hat Inc. Target configuration macros for IA-
Copyright (C) 2001-2018 Free Software Foundation Inc. Adapted from
Copyright 2013-2018 Free Software Foundation Inc. Contributed by Martin Jambor <mjambor@suse.cz> and Martin Liska <mliska@suse.cz>
Copyright 2011 Kyle Moffett
Copyright (C) 1995-2018 Free Software Foundation Inc. Contributed by Ronald F. Guilmette <rfg@monkeys.com>.
Copyright (C) 2011-2018 Free Software Foundation Inc. print print cc This file is part of GCC.
Copyright 1999-2006 Yasushi Saito--
Copyright 2000 Free Software Foundation Contributed by Alexandre Oliva <aoliva@cygnus.com>
Copyright 2002-2003 Free Software Foundation Origin PR
Copyright (c) 2013 Imagination Technologies Ltd. Target configuration macros for Meta
Copyright (C) 1999-2018 Free Software Foundation Inc. Contributed by Mumit Khan <khan@xraylith.wisc.edu>.
Copyright 2003-2018 Free Software Foundation Inc. Contributed by Nicolas Pitre (nico@cam.org)
Copyright 2014-2018 Free Software Foundation Inc. Contributed by John Marino <gnugcc@marino.st>
Copyright (C) 2007-2018 Free Software Foundation Inc. Contributed by Pascal Obry <obry@adacore.com>

Copyright 2001-2018 Free Software Foundation Inc. Contributed by Diego Novillo <dnovillo@redhat.com>
Copyright (C) 2002-2018 Free Software Foundation Inc. Contributed by David O'Brien <obrien@FreeBSD.org>
Copyright 2010-2018 Free Software Foundation Inc. Contributed by Ilya Enkovich (ilya.enkovich@intel.com)
Copyright 1990-2000 Info-ZIP
Copyright 1995-2017 Jean-loup Gailly
Copyright 2002 Free Software Foundation Origin C
Copyright (c) 1996-2003 Red Hat Inc. Target configuration macros for
Copyright (C) 2002-2018 Free Software Foundation Inc. Contributed by Tobias Schlüter
Copyright 2012-2018 Free Software Foundation Inc. Contributed by Andes Technology Corp
Copyright 1998-1999 Greg Colvin and Beman Dawes
Copyright 2002-2004 Dmitry Anisimkov -- -- --
Copyright (C) 2002-2018 Free Software Foundation Inc. Contributed by Aldy Hernandez <aldy@quesejoda.com>. Shamelessly stolen from the Java front end.
Copyright (C) 1998-2018 Free Software Foundation Inc. Contributed by Joern Rennecke
Copyright (C) 1993-2018 Free Software Foundation Inc. Contributed by Stephen L. Moshier (moshier@world.std.com). Re-written by Richard Henderson <rth@redhat.com>
Copyright 2001 Free Software Foundation Inc. Contributed by Jason Merrill
Copyright (C) 1987-2018 Free Software Foundation Inc. Contributed by Douglas B. Rupp (rupp@gnat.com). Updated by Bernard W. Giroud (bgiroud@users.sourceforge.net).
Copyright 2001-2018 Free Software Foundation Inc. Contributed by Sony Computer Entertainment Inc
Copyright 1999-2018 gfortran
Copyright 2002-2018 Free Software Foundation Inc. Contributed by Paul Brook <paul@nowt.org> and Steven Bosscher <s.bosscher@student.tudelft.nl>
Copyright (C) 2001-2018 Free Software Foundation Inc. Contributed by Aldy Hernandez <aldyh@redhat.com> and Diego Novillo <dnovillo@google.com>
Copyright (C) 1997-2018 Free Software Foundation Inc. Contributed by Scott Christley <scottc@net-community.com>
Copyright (C) 2007-2018 Free Software Foundation Inc. Written by Saurabh Verma (saurabh.verma@celunite.com) on behalf of Synopsys Inc.
Copyright (C) 1991-2018 Free Software Foundation Inc. Based on svr4.
Copyright 1999-2018 Free Software Foundation Inc. Contributed by Gabriel Dos Reis <gdr@codesourcery.com>
Copyright (C) 2006-2018 Free Software Foundation Inc. Written by Carlos O'Donell <carlos@codesourcery.com>
Copyright 2004 Free Software Foundation Inc. Contributed and written by Nathanael Nerode.
Copyright (C) 1994-2018 Free Software Foundation Inc. Originally contributed by Dave Love (d.love@dl.ac.uk).
Copyright 2005 Free Software Foundation contributed by Alexandre Oliva <aoliva@redhat.com> inspired in the failure reported in Red Hat bugzilla
Copyright (C) 2003 Free Software Foundation. PR target
Copyright 1996-2012, 2014 Red Hat Inc
Copyright 2002 Free Software Foundation Inc Contributed by Nathan Sidwell <nathan@codesourcery.com>
Copyright (C) 2008-2018 Free Software Foundation Inc. Originally written by CodeSourcery for VFP.
Copyright (C) 2010-2018 Free Software Foundation Inc. Contributed by Christian Borntraeger (Christian.Borntraeger@de.ibm.com) Andreas Krebbel (Andreas.Krebbel@de.ibm.com)
Copyright 1998-2010 Gilles Vollant -
Copyright 1990-2016 Free Software Foundation
Copyright 2001-2018 Free Software Foundation Inc. Contributed by Hans-Peter Nilsson <hp@bitrange.com>
Copyright (C) 2010-2018 Free Software Foundation Inc. Contributed by Thomas Knig.
Copyright (C) 1992-2018 Free Software Foundation Inc. Contributed by the Center for Software Science at the University of Utah.
Copyright (C) 2011-2018 Free Software Foundation Inc. Contributed by Andi Kleen.
Copyright 2005 Free Software Foundation by Alexandre Oliva <aoliva@redhat.com> based on https bugzilla.redhat.com beta show
Copyright (C) 2008-2018 Free Software Foundation Inc. Contributed by Martin Jambor <mjambor@suse.cz>
Copyright 1998-2000, 2002-2004, 2007, 2009-2010 Free Software Foundation Originally by Alexandre Oliva <oliva@dcc.unicamp.br>
Copyright 1996-2018 Free Software Foundation Inc. Contributed by Jeff Law (law@cygnus.com)
Copyright (C) 1997-2018 Free Software Foundation Inc. Contributed by Mike Stump <mrs@wrs.com>.
Copyright (C) 2007-2018 Free Software Foundation Inc. Contributed by Andy Vaught Write float code factoring to this file by Jerry DeLisle
Copyright 2009-2018 Free Software Foundation Inc. Contributed by Thomas Koenig
Copyright (C) 2004-2018 Free Software Foundation Inc. Contributed by P.J. Darcy (darcypj@us.ibm.com).
Copyright (C) 2005-2018 Free Software Foundation Inc. Contributed by Ilie Garbacea <ilie@mips.com> Chao-ying Fu <fu@mips.com>.

Copyright 2008-2018 Free Software Foundation Inc. Contributed by Paul Yuan (yingbo.com@gmail.com) and Vinodha Ramasamy (vinodha@google.com)

Copyright (C) 2011-2018 Free Software Foundation Inc. Based on code contributed by CodeSourcery for ARM EABI Linux.

Copyright 2011-2018 Free Software Foundation Inc. Contributed by Andrew Waterman (andrew@sifive.com)

Copyright 1989-2018 Free Software Foundation Inc. Contributed by A. Lichniewsky (lich@inria.inria.fr). Changed by Michael Meissner (meissner@osf.org)

Copyright 1992-2018 Free Software Foundation Inc. Contributed by Michael Tiemann (tiemann@cygnus.com) Enhanced by and currently maintained by Jim Wilson (wilson@cygnus.com)

Copyright 1993-2018 Free Software Foundation Inc. Contributed by Philip Blundell <philb@gnu.org>

Copyright (C) 1996 MPEG Software Simulation Group. All Rights Reserved.

Copyright 2011 Free Software Foundation Inc. License GPLv3

Copyright 2013 IBM

Copyright 2013-2018 Free Software Foundation Inc. Contributed by Andrew Sutton (andrew.n.sutton@gmail.com)

Copyright (C) 2002-2018 Free Software Foundation Inc. Contributed by Jason Merrill <jason@redhat.com>

Copyright (C) 2000-2018 Free Software Foundation Inc. Contributed by Michael Matz (matz@ifh.de).

Copyright 2005-2018 Free Software Foundation Inc. dnl dnl

Copyright (C) 2008-2018 Free Software Foundation Inc. Based on code contributed by CodeSourcery for ARM EABI Linux. Modifications for PA Linux by Helge Deller <deller@gmx.de>

Copyright (c) 1996-2003 Red Hat Inc. Target configuration macros for Alpha.

Copyright 1997-1999 Vita Nuova Ltd

Copyright 2012-2018 Free Software Foundation Inc. Contributed by Lawrence Crowl <crowl@google.com>

Copyright 2001-2018 Free Software Foundation Inc. Contributed by Aldy Hernandez (aldyh@redhat.com)

Copyright 1995 Free Software Foundation Inc... Core was

Copyright 2003-2018 Free Software Foundation Inc. Contributed by Douglas B Rupp (rupp@gnat.com)

Copyright 1997-2018 Free Software Foundation Inc. Contributed by Red Hat Inc

Copyright 2002 Free Software Foundation Inc. GDB is free software

Copyright (C) 2001-2018 Free Software Foundation Inc. Contributed by Joseph Myers <jsm28@cam.ac.uk>.

Copyright (C) 2010-2018 Free Software Foundation Inc. Split out from tree-ssa-ccp.

Copyright 1999-2018 Free Software Foundation Inc. Contributed by Vladimir Makarov (vmakarov@cygnus.com)

Copyright 1996 treaty adopted on

Copyright 2003 years to include

Copyright (C) 1993-2018 Free Software Foundation Inc. Contributed by Joern Rennecke <joern.rennecke@st.com>.

Copyright 2005-2018 Free Software Foundation Inc. Contributed by Aldy Hernandez <aldy@quesejoda.com>

Copyright (C) 2006 Free Software Foundation Inc. Caslav Illic <caslav.ilic@gmx.net>

Copyright (C) 2001 Free Software Foundation Inc. Contributed by Jeffrey D. Oldham

Copyright 2003-2018 Free Software Foundation Inc. Contributed by Sebastian Pop <pop@cri.enscm.fr>

Copyright 1995-2017 Jean-loup Gailly and Mark Adler .LP

Copyright 2002-2018 Free Software Foundation Inc. Contributed by Thomas Koenig <tkoenig@gcc.gnu.org>

Copyright (C) 1998 Free Software Foundation by Alexandre Oliva <oliva@dcc.unicamp.br>

Copyright (C) 1993-2018 Free Software Foundation Inc. Contributed by Fred Fish (fnf@cygnus.com).

Copyright 1995-2017 Mark Adler

Copyright (C) 2013-2018 Free Software Foundation Inc. Written by David Edelsohn IBM.

Copyright 2008-2018 Free Software Foundation Inc. Contributed by Doug Kwan <dougkwan@google.com>

Copyright (C) 2014-2018 Free Software Foundation Inc. Contributed by Martin Liska

Copyright (C) 2004-2018 Free Software Foundation Inc. Contributed by Bud Davis and Janne Blomqvist.

Copyright (C) 2001-2018 Free Software Foundation Inc. Contributed by David Mosberger <davidm@hpl.hp.com>.

Copyright 2008-2018 Free Software Foundation Inc. Contributed by Rafael Avila de Espindola (espindola@google.com)

Copyright 2013 The Written Word Inc. -

Copyright 2017-2018 Free Software Foundation Inc. Contributed by Google

Copyright (C) 2009-2018 Free Software Foundation Inc. Contributed by Sebastian Pop <sebastian.pop@amd.com> and Konrad Trifunovic <konrad.trifunovic@inria.fr>.

Copyright (C) 2002 Free Software Foundation Contributed by Matt Austern <austern@apple.com>

Copyright (C) 1998-2018 Free Software Foundation Inc. Contributed by Daniel Berlin (dan@cgsoftware.com). Re-implemented in C

Copyright 2010-2018 Free Software Foundation Inc. Contributed by Theobroma Systems Design und Consulting GmbH

Copyright 2001-2018 Free Software Foundation Inc. Written By Nick Clifton

Copyright 2004-2018 Free Software Foundation Inc. Contributed by Apple Inc

Copyright (C) 2004-2018 Free Software Foundation Inc. Contributed by Douglas B Rupp <rupp@gnat.com>

Copyright 2003-2018 Free Software Foundation Inc. Written by CodeSourcery LLC

Copyright (c) 1998 2001 2007 2008 2011 2014 Red Hat
Copyright (C) 2001-2018 Free Software Foundation Inc. Contributed by Bob Wilson (bob.wilson@acm.org) at Tensilica.
Copyright 2008-2018 Free Software Foundation Inc. Written by Ian Lance Taylor <iant@google.com>
Copyright 1998-1999 ISO
Copyright (C) 1990-2018 Free Software Foundation Inc. Contributed by James E. Wilson of Cygnus Support. Mangled by Bob Manson of Cygnus Support.
Copyright (C) 2012-2018 Free Software Foundation Inc. Contributed by Jonah Graham (jgraham@altera.com) and Will Reece (wreece@altera.com).
Copyright 1989-2018 Free Software Foundation Inc. Contributed by Ron Guilmette (rfg@segfault.us.com)
Copyright 1994-1999 Lucent Technologies Inc
Copyright 2009-2010 Mathias Svensson
Copyright 1999-2018 Free Software Foundation Inc. Contributed by James E. Wilson <wilson@cygnus.com> and David Mosberger <davidm@hpl.hp.com>
Copyright (C) 2002-2018 Free Software Foundation Inc. Contributed by Neil Booth May
Copyright (C) 2005-2018 Free Software Foundation Inc. Contributed by Richard Henderson <rth@redhat.com> Diego Novillo <dnovillo@redhat.com>.
copyright (C) 1991-2011 Thomas G. Lane Guido Vollbeding. All Rights Reserved except as specified below.
Copyright (c) 1996-2004 Red Hat Inc. Target configuration macros for FR-V
Copyright 1993, 2004 Sun Microsystems Inc
Copyright 2005 Axis Communications AB
Copyright 2008-2018 Free Software Foundation Inc. Contributed by Jan Sjodin <jan.sjodin@amd.com> and Sebastian Pop <sebastian.pop@amd.com>
Copyright (C) 2000-2018 Free Software Foundation Inc. Written by Benjamin Chelf (chelf@codesourcery.com).
Copyright (c) 2001 David E. O'Brien Portions
Copyright 2002 Free Software Foundation Contributed by Jason Merrill and Alexandre Oliva
Copyright (c) 2002 2009 Free Software Foundation Inc. based on darwin.S by John Hornkvist
Copyright 2007-2018 Free Software Foundation Inc. Contributed by David Edelsohn <edelsohn@gnu.org> and Revital Eres <eres@il.ibm.com>
Copyright (C) 2001 2003 2004 Free Software Foundation Inc. Contributed by Ben Elliston <bje@redhat.com>
Copyright (C) 2018 Free Software Foundation Inc. Contributed by Michael Meissner (meissner@linux.ibm.com)
Copyright (C) 2002-2018 Free Software Foundation Inc. Lowering of expressions contributed by Sebastian Pop <s.pop@laposte.net>
Re-written to support lowering of whole function trees documentation
Copyright (C) 2007-2018 Free Software Foundation Inc. Contributed by Charles-Antoine Gauthier (charles.gauthier@nrc.ca).
Copyright 1998-2000 Jacques Nomssi Nzali
Copyright (C) 1996-2018 Free Software Foundation Inc. Contributed by Eddie C. Dost (ecd@skynet.be)
Copyright 2001-2018 Free Software Foundation Inc. Benjamin Kosnik <bkoz@redhat.com>
Copyright 1993-2018 Free Software Foundation Inc. Contributed by Kresten Krab Thorup
Copyright 2000-2018 Free Software Foundation Inc. Contributed by Andy Vaught & Katherine Holcomb
Copyright 2004-2018 Free Software Foundation Inc. Contributed by Tobias Schlter
Copyright (C) 2003 Free Software Foundation Inc. Contributed by Wolfgang Bangerth <bangerth@ticam.utexas.edu>
Copyright 1996-2018 Free Software Foundation Inc. Contributed by CodeSourcery LLC
Copyright 2009-2018 The Go Authors
Copyright 1994-2018 Free Software Foundation Inc. Contributed by Michael K. Gschwind (mike@vlsivie.tuwien.ac.at)
Copyright 2002 OOPSLA.
Copyright 2014-2018 Free Software Foundation Inc. Contributed by Rong Xu <xur@google.com>
Copyright (C) 2001-2005 Quantum-ESPRESSO group This file is distributed under the terms of the GNU General Public License. See the file
Copyright (c) 2013 Imagination Technologies Ltd.
Copyright (C) 1995 1996 1997 2003 2004 2005 2007 2009 Free Software Foundation Inc. written by Ulrich Drepper <drepper@gnu.ai.mit.edu> June
Copyright (C) 1992-2018 Free Software Foundation Inc. Contributed by Ron Guilmette (rfg@netcom.com). Additional changes by David V. Henkel-Wallace (gumby@cygnus.com).
Copyright 2002-2018 Free Software Foundation Inc. Contributed by Wasabi Systems Inc
Copyright (C) 2002-2018 Free Software Foundation Inc. Contributed by Andy Vaught Namelist transfer functions contributed by Paul Thomas
Copyright (C) 2009-2018 Free Software Foundation Inc. Contributed by Paul Richard Thomas <pault@gcc.gnu.org> and Janus Weil <janus@gcc.gnu.org>
(c) Willem van Schaik 1999

Copyright 2002 Free Software Foundation Contributed by Jason Merrill <jason@redhat.com>
Copyright (C) 2002-2018 Free Software Foundation Inc. Contributed by Matthew Green (mrg@eterna.com.au).
Copyright 2014-2018 Free Software Foundation Inc. Originally contributed by David Malcolm <dmalcolm@redhat.com>
Copyright 2004 Simon Posnjak
Copyright (C) 2009-2018 Free Software Foundation Inc. Contributed by Gerald Pfeifer <gerald@pfeifer.com>.
Copyright (C) 2001-2018 Free Software Foundation Inc. Contributed by matthew green <mrg@eterna.com.au>
Copyright (C) 1999 Free Software Foundation by Alexandre Oliva <oliva@lsd.ic.unicamp.br> Simplified from libg
Copyright 2003 Chris Anderson <christop@charm.net> Please
Copyright 1995-1999 Free Software Foundation Inc. Written by Ulrich Drepper <drepper@gnu.org>
Copyright (C) 2001-2018 Free Software Foundation Inc. Contributed by Loren J. Rittle <ljriddle@acm.org>
Copyright (C) 1992-2018 Free Software Foundation Inc. Written by Ken Raeburn (raeburn@cygnus.com) while at Watchmaker
Computing. Rewritten by Jason Merrill (jason@cygnus.com).
Copyright (C) 2009-2018 Free Software Foundation Inc. Written by Cary Coutant <ccoutant@google.com>.
Copyright (C) 2002 Free Software Foundation Inc. Contributed by Michael Matz
Copyright 2005-2018 Free Software Foundation Inc. Contributed by Daniel Berlin <dberlin@dberlin.org>
Copyright 2003-2018 Free Software Foundation Inc. Contributed by Kejia Zhao <kejia_zh@yahoo.com.cn>
Copyright (c) 1999 Free Software Foundation. Contributed by Zack Weinberg who made it up all by himself.
Copyright 2002-2008, 2012 Kaz Kojima
Copyright 2000 Hewlett Packard Co
Copyright 1991-2005 Unicode Inc
Copyright 2001 Stephen L. Moshier (moshier@na-net.onrl.gov)
Copyright (C) 2000-2018 Free Software Foundation Inc. Contributed by Andy Vaught & Niels Kristian Bech Jensen
Copyright 2009-2018 Free Software Foundation Inc. Contributed by Anthony Green <green@moxielogic.com>
Copyright 2011-2018 Free Software Foundation Inc. Contributed by Torvald Riegel <triegel@redhat.com>
Copyright 2004-2005, 2007, 2009 Free Software Foundation Inc. Written by Scott James Remnant
Copyright 1993-2018 Free Software Foundation Inc. Written By Fred Fish Nov
Copyright 1997-2018 Free Software Foundation Inc. Contributed by Richard Henderson (rth@cygnus.com) and Jakub Jelinek
(jj@ultra.linux.cz)
copyright date with 2004
Copyright 1994-2018 Free Software Foundation Inc. Contributed by Embecosm on behalf of Adapteva Inc
Copyright (C) 2006-2018 Free Software Foundation Inc. Contributed by Georges-Andre Silber <Georges-Andre.Silber@ensmp.fr> and
Sebastian Pop <sebastian.pop@amd.com>.
Copyright 2002-2018 Free Software Foundation Inc. Contributed by Aldy Hernandez (aldy@quesejoda.com)
Copyright (C) 1998-2018 Free Software Foundation Inc. Contributed by Georg Lay (avr@gjlay.de)
Copyright 2007-2008 Even Rouault
Copyright 1990-2018 Free Software Foundation Inc. Contributed by James E. Wilson UC Berkeley Cygnus Support based on some
ideas from Dain Samples of UC Berkeley
Copyright (C) 2008-2018 Free Software Foundation Inc. Contributed by Wolfgang Gellerich (gellerich@de.ibm.com).
Copyright 1996-2014 Free Software Foundation Inc. Originally written by Fran cois Pinard <pinard@iro.umontreal.ca>
Copyright (C) 1998-2018 Free Software Foundation Inc. Contributed by Catherine Moore <clm@cygnus.com>
Copyright 2008-2018 Free Software Foundation Inc. Written by Nathan Froyd
Copyright 2004-2005, 2007-2009 Free Software Foundation Inc. Written by Gary V. Vaughan
Copyright 2004-2018 Free Software Foundation Inc. Contributed by Janne Blomqvist
Copyright (c) 2007 Free Software Foundation Inc. .PP Everyone is permitted to copy and distribute verbatim copies of this
Copyright 2005-2007 C H Forsyth (forsyth@terzarima.net) Revisions
Copyright 2003-2004 Free Software Foundation Inc. Contributed by Matt Austern <austern@apple.com>
Copyright (C) 2005-2018 Free Software Foundation Inc. Contributed by NEC EL
Copyright 2015-2018 Free Software Foundation Inc. Contributed by Alexander Monakov <amonakov@ispras.ru>
Copyright 1998-2018 Free Software Foundation Inc. Contributed by Daniel Berlin (dan@cgsoftware.com)
Copyright 2001-2018 Free Software Foundation Inc. Contributed by Jan Hubicka <jh@suse.cz> based on linux
Copyright 2014-2018 Free Software Foundation Inc. Contributed by Manuel Lopez-Ibanez
Copyright 2011-2018 Free Software Foundation Inc. Written by Marvell Inc
Copyright 2016-2018 Free Software Foundation Inc. Contributed by Daniel Santos <daniel.santos@pobox.com>
Copyright (C) 1998-2018 Free Software Foundation Inc. Contributed by Denis Chertykov <chertykov@gmail.com>
Copyright 2012-2018 Free Software Foundation Inc. Contributed by Mentor Graphics Inc
Copyright 1996-2010 Julian R Seward
Copyright 1991-2017 Florida State University -- --
Copyright 2006-2018 Free Software Foundation Inc. Contributed by CodeSourcery

Copyright 2011-2018 Free Software Foundation Inc. Contributed by Andrew Waterman (andrew@sifive.com). Based on MIPS target for GNU compiler

Copyright 1998-2018 Free Software Foundation Inc. Contributed by Axis Communications. Written by Hans-Peter Nilsson

Copyright (C) 1993-2018 Free Software Foundation Inc. Contributed by Kresten Krab Thorup Bitfield support by Ovidiu Predescu

Copyright 2004-2018 Free Software Foundation Inc. Contributed by Nathan Sidwell <nathan@codesourcery.com> Re-implemented in C

Copyright 2002 2007 2009 Free Software Foundation Inc. echo This program is free software you may redistribute it under the echo terms of the GNU General Public License. This program has

Copyright (C) 1991 by Pipeline Associates Inc. All rights reserved. Permission is granted to do anything you want with this file commercial or otherwise provided this message remains intact. So there

Copyright (C) 2000-2006 Erik Andersen <andersen@uclibc.org>

Copyright 2002 Bo Thorsen

Copyright 1998-2018 Free Software Foundation Inc. . Contributed by Axis Communications. Written by Hans-Peter Nilsson

Copyright 2012-2018 Free Software Foundation Inc. Contributed by KPIT Cummins Infosystems Ltd

Copyright 2010-2016 Intel Corp

Copyright 2003-2018 Free Software Foundation Inc. Written by Ian Lance Taylor <ian@wasabisystems.com>

Copyright 2016 John David Anglin

copyright notice to include 2003

Copyright 2012-2018 Free Software Foundation Inc. Adapted from elf

Copyright (C) 2008-2018 Free Software Foundation Inc. Contributed by Doug Kwan (dougkwan@google.com) Rewritten by CodeSourcery Inc.

Copyright 2000, 2002, 2007-2008 Free Software Foundation Inc. Contributed by Theodore.Papadopoulos

Copyright (C) 1996-2018 Free Software Foundation Inc. Written By Steve Chamberlain

Copyright (C) 2009 the Initial Developer. All Rights Reserved.

Copyright 2007-2018 Free Software Foundation Inc. Contributor Claudiu Zissulescu <claudiu.zissulescu@synopsys.com>

copyright 1987 1988 1989 john

Copyright 1995-2016 Jean-loup Gailly Mark Adler

Copyright 2001-2018 Free Software Foundation Inc. Contributed by Douglas B. Rupp (rupp@gnat.com)

Copyright 2011 Free Software Foundation Inc. Written by Jakub Jelinek <jakub@redhat.com>

Copyright (c) 2010 CodeSourcery

Copyright 1987-2018 Free Software Foundation Inc. .PP

Copyright 2000-2018 Free Software Foundation Inc. Contributed by Alex Samuel <samuel@codesourcery.com>

Copyright (C) 1999-2018 Free Software Foundation Inc. Contributed by Richard Earnshaw (rearnsha@arm.com) Minor hacks by Nick Clifton (nickc@cygnus.com)

Copyright (C) 1999 Free Software Foundation related to bug report by Leon Bottou <leonb@research.att.com>

Copyright (C) 2010-2018 Free Software Foundation Inc. Contributed by Jan Hubicka <jh@suse.cz>

Copyright (C) 2006-2018 Free Software Foundation Inc. Written by Wolfgang Gellerich using code and information found in files

Copyright 2008-2018 Free Software Foundation Inc. Contributed by Edmar Wienskoski (edmar@freescale.com)

Copyright (C) 2016-2018 Free Software Foundation Inc. Written by David Tolnay (dtolnay@gmail.com).

Copyright (C) 2002 FPMD group This file is distributed under the terms of the GNU General Public License. See the file

Copyright (C) 2008-2018 Free Software Foundation Inc. Contributed by Daniel Franke.

Copyright (C) 1999-2018 Free Software Foundation Inc. Contributed by Wind River Systems. Rewritten by CodeSourcery LLC.

copyrights-go 2010-2018

Copyright 1999-2018 Free Software Foundation Inc. Contributed by Charles-Antoine Gauthier (charles.gauthier@iit.nrc.ca)

Copyright 2014-2020 Free Software Foundation Inc. Copying and distribution of this file with or without modification are permitted provided the

Copyright 2010-2018 Free Software Foundation Inc. Contributed by Tobias Burnus <burnus@net-b.de>

Copyright (C) 2002-2018 Free Software Foundation Inc. Contributed by Lifang Zeng <zl605@hotmail.com>

Copyright 2011-2018 Free Software Foundation Inc. Written by Nicola Pero <nicola.pero@meta-innovation.com>

Copyright 1997-2018 Free Software Foundation Inc. Contributed by Andrew MacLeod <amacleod@cygnus.com> Andrew Haley <aph@cygnus.com>

Copyright (C) 1998-2018 Free Software Foundation Inc. Contributed by Kaveh Ghazi (ghazi@caip.rutgers.edu)

Copyright 1999-2018 Free Software Foundation Inc. Contributed by Hartmut Penner (hpenner@de.ibm.com) and Ulrich Weigand (uweigand@de.ibm.com)

Copyright 1986-2018 Free Software Foundation Inc. Contributed by Per Bothner

Copyright 1991-2018 Free Software Foundation Inc. Contributed by Pieter

Copyright 2012-2018 Free Software Foundation Inc. Contributed by Chung-Lin Tang <cltang@codesourcery.com>

Copyright (C) 2002 Free Software Foundation Contributed by Roger Sayle <roger@eyesopen.com>

Copyright (C) 2011-2018 Free Software Foundation Inc. Contributed by Iain Sandoe <iains@gcc.gnu.org>
Copyright (c) 1996-2003 Red Hat Inc. Target configuration macros for MIPS.
Copyright 2015-2018 Free Software Foundation Inc. Contributed by Martin Liska <mliska@suse.cz>
Copyright 2010-2018 Free Software Foundation Inc. Written by I-Jui Sung based on ARM926EJ-S Pipeline Description
2003 copyright date.
Copyright (C) 1994-2018 Free Software Foundation Inc. Contributed by Doug Evans <dje@cygnus.com>
Copyright 2012-2013 Xilinx Inc
Copyright 1998-2018 Free Software Foundation Inc. Contributed by Axis Communications
Copyright 2010 Faraday Technology Corp
Copyright 2008 Guido U. Draheim <guidod@gmx.de>
Copyright (C) 2012-2018 Free Software Foundation Inc. Contributed by Lawrence Crowl.
Copyright 2005-2018 Free Software Foundation Inc. Written by Ian Lance Taylor <ian@airs.com>
Copyright 2000-2018 Free Software Foundation Inc. Contributed by Zack Weinberg <zackw@stanford.edu>
Copyright (C) 1988-2018 Free Software Foundation Inc. Mostly by William Schelter.
copyright 1996 Loren P. Meissner -- May be distributed if this line is included. Linked List operations with Pointer to Pointer
Copyright 2013-2018 Free Software Foundation Inc. Contributed by Marek Polacek <polacek@redhat.com>
Copyright (C) 1995-2018 Free Software Foundation Inc. Contributed by Philip Blundell <philb@gnu.org> and Catherine Moore
<clm@cygnus.com>
Copyright (C) 1997 - 2002 Makoto Matsumoto and Takuji Nishimura -- -- All rights reserved. -- --
Copyright 2004, 2006 Bruce Ellis
Copyright 2004-2005 Mark Adler. --
Copyright (c) 2009 Bradley Smith <brad@brad-smith.co.uk> Target configuration macros for AVR32.
Copyright 1998, 2007 Brian Raiter <breadbox@muppetlabs.com>
Copyright 2017-2018 Free Software Foundation Inc. Contributed by Sebastian Perta
Copyright 2009-2018 Free Software Foundation Inc. Contributed by Peter Bergner (bergner@vnet.ibm.com)
Copyright (C) 2015-2018 Free Software Foundation Inc. Contributed by Dmitry Melnik <dm@ispras.ru>
Copyright (C) 1993-2018 Free Software Foundation Inc. Contributed by Motorola.
Copyright (C) 2004-2018 Free Software Foundation Inc. Contributed by Devang Patel <dpatel@apple.com>
Copyright 1996-2010 Julian Seward <jseward@bzip.org>
Copyright (C) 2005-2018 Free Software Foundation Inc. Contributed by Jeff Law <law@redhat.com>
Copyright (C) 2013-2018 Free Software Foundation Inc. DMULT DDIV replacement support by Juergen Urban JuergenUrban@gmx.de.
Copyright 2003-2018 Free Software Foundation Inc. Contributed by Dorit Naishlos <dorit@il.ibm.com> and Ira Rosen
<irar@il.ibm.com>
Copyright 1984-2020 Free Software Foundation Inc
Copyright 2010-2018 Free Software Foundation Inc. Contributed by Nicola Pero
Copyright 2003-2018 Free Software Foundation Inc. Written by Kaveh R. Ghazi <ghazi@caip.rutgers.edu>
Copyright (c) 2011 2014 Anthony Green -
Copyright 2012-2018 Free Software Foundation Inc. Contributed by Jonah Graham (jgraham@altera.com) Will Reece
(wreece@altera.com) and Jeff DaSilva (jdasilva@altera.com)
Copyright (C) 2002-2018 Free Software Foundation Inc. Contributed by Lars Segerlund <seger@linuxmail.org> Steve Kargl and Janne
Blomqvist.
Copyright (c) 1996-2003 Red Hat Inc. Target configuration macros for SPARC.
Copyright 1996-2018 Free Software Foundation Inc. Contributed by Joel Sherrill (joel@OARcorp.com)
Copyright 2000-2018 Free Software Foundation Inc. Contributed by Richard Henderson <rth@cygnus.com>
Copyright 2012 Alexandre K. I. de Mendonca <alexandre.keunecke@gmail.com> Paulo Pizarro <paulo.pizarro@gmail.com>
Copyright 2001 Stephen L. Moshier <moshier@na-net.ornl.gov>
Copyright 2002-2003 Free Software Foundation Contributed by Gabriel Dos Reis <gdr@integrable-solutions.net>
Copyright 1995-2018 Free Software Foundation Inc. Contributed by Pieter J. Schoenmakers <tiggr@es.ele.tue.nl>
Copyright 2007 Free Software Foundation Inc. Contributed by Ollie Wild <aaw@google.com>. define GOT
Copyright (c) 2002 2003 2009 Free Software Foundation Inc. based on darwin
Copyright 2000 Free Software Foundation by Alexandre Oliva <aoliva@redhat.com>
Copyright 2003-2018 Free Software Foundation Inc. Written by CodeSourcery
Copyright (C) 1998-2009 Free Software Foundation Inc. -- -- - GNAT is free software you can redistribute it and or modify it under --
Copyright (c) 2013 Imagination Technologies
Copyright 1995-2018 Free Software Foundation Inc. Contributed by Jason Merrill (jason@cygnus.com)
Copyright (C) 2011-2018 Free Software Foundation Inc. Contributed by Tom de Vries (tom@codesourcery.com)
Copyright 2010-2018 Free Software Foundation Inc. Written by Mingfeng Wu based on ARM926EJ-S Pipeline Description
(C) 1998 2007 Free Software Foundation Originally by Alexandre Oliva <oliva@lsd.ic.unicamp.br>

Copyright (c) 2004 Renesas Technology. Target configuration macros for M32R.
Copyright (C) 2000-2018 Free Software Foundation Inc. Contributed by Canqun Yang <canqun@nudt.edu.cn>
Copyright 2011-2018 Free Software Foundation Inc. Contributed by Georg-Johann Lay (avr@gjlay.de)
Copyright 1999-2018 Free Software Foundation Inc. Originally contributed by Michael P. Hayes (m.hayes@elec.canterbury.ac.nz mhayes@redhat.com)
(C) Copyright Jeremy Siek 2000
Copyright 2006-2018 Free Software Foundation Inc. Contributed by Franois-Xavier Coudert
Copyright 2004 Ami Tavory and Vladimir Dreizin IBM-HRL
Copyright 2001, 2005-2018 Free Software Foundation Inc. Contributed by Jakub Jelinek
Copyright 2001-2018 Free Software Foundation Inc. Contributed by Bo Thorsen <bo@suse.de>
Copyright 2003 Free Software Foundation Inc. GDB is free software covered by the GNU General Public License and you are welcome to change it and or distribute copies of it
Copyright 2000-2003 Software Foundation Inc
(C) 2010 Free Software Foundation Written by Ralf Wildenhues <Ralf.Wildenhues@gmx.de>.
Copyright 1996 L. Peter Deutsch
Copyright 2000-2018 Free Software Foundation Inc. Contributed by Andy Vaught
Copyright 1992 & Current
copyright and license notices. ChangeLog-1993-2007
Copyright 2006-2018 Free Software Foundation Inc. Contributed by Peter Steinmetz (steinmtz@us.ibm.com)
Copyright (C) 1989-2018 Free Software Foundation Inc. Contributed by Michael Tiemann <tiemann@cygnus.com> Rewritten by Mike Stump <mrs@cygnus.com> based upon an
Copyright 2005-2018 Free Software Foundation Inc. Contributed by Sebastian Huber <sebastian.huber@embedded-brains.de>
Copyright (C) 2002-2018 Free Software Foundation Inc. Contributed by Matt Thomas <matt@3am-software.com>
Copyright 2002-2018 Free Software Foundation Inc. Contributed by Vladimir Makarov <vmakarov@redhat.com>
Copyright 1995-1996 Jean-loup Gailly Brian Raiter and Gilles Vollant. File written by Gilles Vollant by converting match686.S from Brian Raiter for MASM
Copyright 2000-2018 Free Software Foundation Inc. Written By Timothy Wall
Copyright (C) 2000-2018 Free Software Foundation Inc. Written by Alex Samuel <samuel@codesourcery.com>
Copyright 2009-2018 Free Software Foundation Inc. Contributed by Kenneth Zadeck <zadeck@naturalbridge.com> Re-implemented by Diego Novillo <dnovillo@google.com>
Copyright 1995-2018 Free Software Foundation Inc. Contributed by David Henkel-Wallace Cygnus Support (gumby@cygnus.com)
Rewritten by Adam Nemet LinuxWorks Inc
Copyright (C) 2006-2018 Free Software Foundation Inc. Contributed by Nigel Stephens <nigel@mips.com>
Copyright 2000, 2007 Software AG
Copyright (C) 1989-2018 Free Software Foundation Inc. Contributed by A. Lichnewsky lich@inria.inria.fr. Changes by Michael Meissner meissner@osf.org.
Copyright 1989, 1993, 1995, 2007-2018 FSF
Copyright 2009-2018 Free Software Foundation Inc. Contributed by Anatoly Sokolov (aesok@post.ru)
Copyright 2004 Henrik Ravn
Copyright (C) 2006-2018 Free Software Foundation Inc. Contributed by Ralf Corsepius (ralf.corsepius@rtems.org).
Copyright 2010-2011 Free Software Foundation Inc. Written by Francois-Xavier Coudert <fxcoudert@gcc.gnu.org>
Copyright 2002-2018 Free Software Foundation Inc. Contributed by Neil Booth
Copyright (C) 2012-2018 Free Software Foundation Inc. Contributed by Bill Schmidt IBM <wschmidt@linux.ibm.com>
Copyright (C) 2002 Free Software Foundation Origin jmr@fulcrummicro.com Contributed by Gabriel Dos Reis <gdr@integrable-solutions.net>
copyright years add 2003
Copyright (C) 2013-2018 Free Software Foundation Inc. Contributed by Michael Matz <matz@suse.de>
Copyright (c) 1996 1997 Silicon Graphics
Copyright (C) 2008-2018 Free Software Foundation Inc. Based on linux-atomic.
Copyright 2005-2018 Free Software Foundation Inc. Contributed by Franois-Xavier Coudert <coudert@clipper.ens.fr>
Copyright (C) 2002-2018 Free Software Foundation Inc. Contributed by Paul Brook <paul@nowt.org> and Andy Vaught
Copyright 2009-2018 Free Software Foundation Inc. Contributed by Ian Lance Taylor <iant@google.com>
Copyright (C) 2002-2018 Free Software Foundation Inc. Contributed by Steve Ellcey <sje@cup.hp.com>
Copyright 2010-2018 Free Software Foundation Inc. Contributed by Anthony Green (green@moxielogic.com)
Copyright 1987-2018 Free Software Foundation Inc. Contributed by Daniel Berlin <dan@cgsoftware.com>
Copyright 2007-2018 Free Software Foundation Inc. Contributed by Sebastian Pop <sebastian.pop@amd.com>
Copyright 2015-2018 Free Software Foundation Inc. Contributed by FTDI <support@ftdi.com>
Copyright (C) 2016-2018 Free Software Foundation Inc. Contributed by Claudiu Zissulescu (claziss@synopsys.com)

Copyright 2003-2018 Free Software Foundation Inc. Contributed by Sebastian Pop <s.pop@laposte.net>
Copyright 2001-2018 Free Software Foundation Inc. Contributed by Xinliang David Li <davidxl@google.com>
Copyright 2003 Cosmin Truta
Copyright 1999-2014 Free Software Foundation Inc. Written by Tom Tromey <tromey@cygnus.com>
Copyright 2013 Synopsys Inc
Copyright (C) 2009 2011 Free Software Foundation Inc. Contributed by Paolo Bonzini.
Copyright 1995-2018 Free Software Foundation Inc. Contributed by Eric Youngdale. Modified for stabs-in-ELF by H.J. Lu (hjl@lucon.org)
Copyright (C) 2010-2018 Free Software Foundation Inc. Contributed by Marvell.
Copyright 2002-2018 Free Software Foundation Inc. Major work done by Sebastian Pop <s.pop@laposte.net> Diego Novillo <dnovillo@redhat.com> and Jason Merrill <jason@redhat.com>
Copyright (C) 2000 Free Software Foundation. by William Cohen <wcohen@redhat.com>
Copyright (C) 2000 Free Software Foundation Contributed by Nathan Sidwell <nathan@codesourcery.com>
Copyright 2001-2018 Free Software Foundation Inc. Contributed by Daniel Berlin <dan@dberlin.org>
Copyright (C) 2004-2018 Free Software Foundation Inc. Based on code by Michael P. Hayes (m.hayes@elec.canterbury.ac.nz)
Copyright 2016-2018 Free Software Foundation Inc. Contributed by Martin Sebor <msebor@redhat.com>
Copyright 1998 Geoffrey Keating
COPYRIGHT 1999 SPACKMAN & HENDRICKSON INC. REAL
Copyright 1994-2018 Free Software Foundation Inc. Contributed by Eric Youngdale. Modified for stabs-in-ELF by H.J. Lu
Copyright 2004-2018 Free Software Foundation Inc. Contributed by Steven G. Kargl <kargls@comcast.net>
Copyright 2011-2018 Free Software Foundation Inc. Contributed by Iain Sandoe
Copyright 1992-1999 The Free Software Foundation
Copyright (C) 2007-2018 Free Software Foundation Inc. Contributed by CodeSourcery Inc. www.codesourcery.com
Copyright 2014-2018 Free Software Foundation Inc. Contributed by Mentor Graphics
Copyright (C) 2002-2018 Free Software Foundation Inc. Contributed by Andy Vaught Namelist output contributed by Paul Thomas
Copyright (C) 2006-2018 Free Software Foundation Inc. Contributed by Dorit Nuzman <dorit@il.ibm.com>
Copyright 2003 Jakub Jelinek <jakub@redhat.com>
Copyright (C) 2003 Free Software Foundation Inc. Contributed by Raymond <raymond@magma.magma-da.com>.
Copyright 1996 L. Peter Deutsch and Jean-Loup Gailly
Copyright 1997-2018 Free Software Foundation Inc. Contributed by Cygnus Solutions
Copyright (C) 1992-2018 Free Software Foundation Inc. Contributed by Chris Smith (csmith@convex.com). Heavily modified by Michael Meissner (meissner@cygnus.com)
Copyright (C) 1989-2018 Free Software Foundation Inc. Contributed by Gavin Koch (gavin@cygnus.com).
Copyright (C) 2012-2018 Free Software Foundation Inc. Contributed by Tobias Grosser <tobias@grosser.es>.
Copyright 2007 to include
Copyright 2014-2018 Free Software Foundation Inc. Contributed by Dehao Chen (dehao@google.com)
Copyright 2000-2001 Free Software Foundation Contributed by Alexandre Oliva <aoliva@redhat.com>
Copyright 2000-2018 Free Software Foundation Inc. Contributed by David E. O'Brien <obrien@FreeBSD.org> and BSDi
Copyright 1992-2018 Free Software Foundation Inc. Contributed by Michael Tiemann (tiemann@cygnus.com) of Cygnus Support and Tim Moore (moore@defmacro.cs.utah.edu) of the Center for
Copyright 2010-2018 AdaCore -- -- -- GNARL is free software
Copyright (C) 2002-2018 Free Software Foundation Inc. Contributed by John David Anglin (dave.anglin@nrc.ca).
for functions. Fix header format. Add copyright 2001
Copyright 2002 Free Software Foundation Inc. Contributed by Matt Austern
Copyright (C) 1995-2018 Free Software Foundation Inc. Contributed by Tim Moore (moore@defmacro.cs.utah.edu)
Copyright (C) 1989 by Matthew Self. You may freely distribute verbatim copies of this software provided that this
Copyright 1983 Regenten der University of California
Copyright (C) 2004 2005 2006 Cavium Networks.
Copyright (C) 2011-2018 Free Software Foundation Inc. Contributed by Uros Bizjak <ubizjak@gmail.com>
Copyright (C) 2005-2018 Free Software Foundation Inc. Contributed by Paolo Bonzini and Steven Bosscher.
Copyright 2000 Free Software Foundation Contributed by Nathan Sidwell
Copyright 2001-2018 Free Software Foundation Inc. Contributed by Alexandre Oliva <aoliva@redhat.com>
Copyright (C) 2003 Free Software Foundation. by Roger Sayle <roger@eyesopen.com> derived from mzero3.
Copyright 2009 Bradley Smith <brad@brad-smith.co.uk>
Copyright 2002-2004 Dmitry Anisimkov -- -- -- Open source license information is in the zlib.ads file. --
Copyright 1991-2018 Free Software Foundation Inc. Written by Fred Fish
Copyright 2001-2003 Peter Dimov
Copyright 2012-2018 Free Software Foundation Inc. Contributed by Altera and Mentor Graphics Inc
Copyright 2007 Free Software Foundation Contributed by Ollie Wild <aaw@google.com>

Copyright 2008-2010, 2012 Free Software Foundation Contributed by Janis Johnson <janis187@us.ibm.com>
Copyright (C) 2011-2018 Free Software Foundation Inc. Contributed by Tristan Gingold (gingold@adacore.com).
Copyright 1997-2018 Free Software Foundation Inc. Contributed by Jason Merrill <jason@cygnus.com>
Copyright 1996- & Gnatsvsn.Current
Copyright (C) 1987-2018 Free Software Foundation Inc. Written by Benjamin Chelf <chelf@codesourcery.com>
Copyright 1987-2018 Free Software Foundation Inc. Contributed by Michael Tiemann (tiemann@cygnus.com)
Copyright (C) 2007 2008 2009 2010 2012 Free Software Foundation Originally by Alexandre Oliva <aoliva@redhat.com>
Copyright 2002-2018 Free Software Foundation Inc. Contributed by C.Nettleton J.P.Parkes and P.Garbett
Copyright (C) 2001-2018 Free Software Foundation Inc. Contributed by David S. Miller (davem@redhat.com)
Copyright (C) 1996-2018 Free Software Foundation Inc. Contributed by Ian Lance Taylor <ian@cygnus.com>.
Copyright (C) 2006-2018 Free Software Foundation Inc. Contributed by Paul Thomas
Copyright 2009-2018 Free Software Foundation Inc. Contributed by Simon Baldwin <simonb@google.com>
Copyright 2007-2018 Free Software Foundation Inc. Contributed by Paul Thomas and Brooks Moses
Copyright 2002-2018 Free Software Foundation Inc. Contributed by Andy Vaught and Paul Brook <paul@nowt.org>
Copyright 1991-2018 Free Software Foundation Inc. -- -- -- -- GNAT is free software
copyright notices to 2018
Copyright 1997 Borland Corp. and is based on zlib
Copyright 2003 Cosmin Truta. Derived from original sources by Bob Dellaca
Copyright 1996-1999 Silicon Graphics Computer Systems Inc
Copyright (C) 2001-2018 Free Software Foundation Inc. Originally by Gerald Pfeifer <pfeifer@dbai.tuwien.ac.at> June
Copyright (C) 1996 1997 1998 1999 2000 2007 2010 James Theiler Brian Gough template
Copyright 2002-2003, 2009-2012 ARM Ltd
Copyright (C) 2000 Free Software Foundation. Added extra line-breaks to check that diagnostics refer to correct token. --Per Bothner.
Copyright 1996-2018 Free Software Foundation Inc. Contributed by Richard Henderson
Copyright 1995-2018 Free Software Foundation Inc. Written By Michael Meissner
Copyright Jean-loup Gailly Osma Ahvenlampi <Osma.Ahvenlampi@hut.fi>
Copyright 2009-2018 Free Software Foundation Inc. Contributed by Georg-Johann Lay <avr@gilay.de>
Copyright (C) 2009-2018 Free Software Foundation Inc. Contributed by Rafael Espindola <espindola@google.com>
Copyright (C) 1999-2018 Free Software Foundation Inc. Contributed by Kazumoto Kojima <kkojima@rr.iij4u.or.jp>
Copyright 2007-2018 Free Software Foundation Inc. Contributed by CodeSourcery Inc
Copyright 2003-2018 Free Software Foundation Inc. Contributed by Jan Hubicka
Copyright (C) 2004-2018 Free Software Foundation Inc. Contributed by Janus Weil <janus@gcc.gnu.org>.
Copyright 2003-2004 Randolph Chung <tausq@debian.org>
Copyright (C) 1993-2018 Free Software Foundation Inc. Contributed by Kresten Krab Thorup and Dennis Glatting.
Copyright 1990-2018 Free Software Foundation Inc. Contributed by Richard Kenner (kenner@vlsi1.ultra.nyu.edu)
Copyright (C) 1999-2018 Free Software Foundation Inc. Contributed by Steve Ellcey <sje@cup.hp.com> and Reva Cuthbertson
<reva@cup.hp.com>
Copyright (C) 1997-2018 Free Software Foundation Inc. Contributed by Russell King <rmk92@ecs.soton.ac.uk>.
Copyright 2008-2010, 2012 Free Software Foundation Inc. Written by Ralf Wildenhues <Ralf.Wildenhues@gmx.de>
Copyright 2003-2018 Free Software Foundation Inc. Contributed by Red Hat
Copyright 1992-2018 Free Software Foundation Inc. Contributed by Steve Chamberlain (sac@cygnus.com) Jim Wilson
(wilson@cygnus.com) and Doug Evans (dje@cygnus.com)
Copyright 1995-2017 Jean-Loup Gailly Mark Adler. OS
Copyright (C) 2016-2018 Free Software Foundation Inc. Contributed by Claudiu Zissulescu <claziss@synopsys.com>
Copyright 2007-2018 Free Software Foundation Inc. Contributed by Revital Eres (eres@il.ibm.com)
Copyright 2004-2018 Free Software Foundation Inc. Contributed by Robert Millan
Copyright (C) 2013 Free Software Foundation Inc. Written by Jakub Jelinek Red Hat Inc.
Copyright (C) 2000 Free Software Foundation Adapted by Nathan Sidwell
Copyright (c) 2008 Wolfgang Moser http
Copyright 1997 Christian Michelsen Research AS Advanced Computing
Copyright 1999, 2008 The Open Group The Institute of Electrical and Electronics Engineers Inc
Copyright (c) 2007 by Till Harbaum <till@harbaum.org>
Copyright 2011-2018 Free Software Foundation Inc. Contributed by Dmitry Vyukov <dvyukov@google.com>
Copyright 1998-2009 The Free Software Foundation Inc
Copyright 1997-2018 Free Software Foundation Inc. Written by Ian Lance Taylor Cygnus Solutions
Copyright 2011 Plausible Labs Cooperative Inc
Copyright (C) 2000 Free Software Foundation Inc. Contributed by Mark Mitchell
Copyright (c) 1996-2003 Red Hat Inc. Target configuration macros for Motorola 68K.

Copyright 2001-2002, 2007 Free Software Foundation. by Hans-Peter Nilsson <hp@axis.com>
Copyright (C) 2007-2018 Free Software Foundation Inc. Contributed by Richard Henderson <rth@redhat.com> Ian Lance Taylor <iant@google.com>
Copyright 2003 Free Software Foundation Inc. Written by Bruno Haible <bruno@clisp.org>
Copyright (C) 2006 Free Software Foundation Inc. Original test by Hans-Peter Nilsson <hp@bitrange.com>
Copyright 2008-2018 Free Software Foundation Inc. Contributed by Michael Eager (eager@eagercon.com)
Copyright 1996-2014 Anthony Green Red Hat Inc and others
(c) 2016 John David Anglin based on src pa linux.S
Copyright 1997 Borland Corp
Copyright 2003-2018 Free Software Foundation Inc. Contributed by Andrew MacLeod <amacleod@redhat.com>
Copyright 2002-2018 Free Software Foundation Inc. Contributed by Gabriel Dos Reis <gdr@integrable-solutions.net>
Copyright 2000 Addison Wesley Inc
Copyright 2011-2018 Free Software Foundation Inc. Contributed by Kostya Serebryany <kcc@google.com>
Copyright (c) 2002 2003 2004 2010 Free Software Foundation Inc. based on ppc
Copyright 1994-2018 Free Software Foundation Inc. dnl
Copyright 2010, 2014-2015, 2020 year to
Copyright 2004-2018 Free Software Foundation Inc. Contributed by Ayal Zaks and Mustafa Hagog
Copyright (C) 2013-2018 Free Software Foundation Inc. Contributed by Manuel Lopez-Ibanez <manu@gcc.gnu.org>
Copyright (C) 2001-2018 Free Software Foundation Inc. Contributed by Richard Henderson (rth@redhat.com)
Copyright 1983, 1987, 1990, 2014 Regents of the University of California
Copyright (c) 2012 Tiler Corp. Target configuration macros for TILE.
Copyright 2002 Free Software Foundation Inc. Ales Nyakhaychyk <nyakhaychyk@i18n.linux.by>
Copyright 2009-2018 Free Software Foundation Inc. Contributed by Ben Elliston (bje@au.ibm.com)
Copyright 2012-2018 Free Software Foundation Inc. Written by Alan Modra IBM
Copyright 2013-2018 Free Software Foundation Inc. Contributed by Andreas Krebbel <krebbel@linux.vnet.ibm.com>
Copyright (C) 2010-2018 Free Software Foundation Inc. Adapted from tree-pretty-print.
Copyright 1999 Citrus Project
Copyright (C) 2010-2018 Free Software Foundation Inc. Written by Marcus Shawcroft (marcus.shawcroft@arm.com) 64bit Atomics by Dave Gilbert (david.gilbert@linaro.org)
Copyright (c) 2013 Tensilica Inc. Target configuration macros for XTENSA.
Copyright 2007-2018 Free Software Foundation Inc. Contributed by Peter Bergner <bergner@vnet.ibm.com>
Copyright (C) 2000 Free Software Foundation Inc. Contributed by Loren J. Rittle
Copyright 2001-2018 Free Software Foundation Inc. Contributed by Jakub Jelinek <jakub@redhat.com>
Copyright 2003-2018 Free Software Foundation Inc. Contributed by Feng Wang <wf_cs@yahoo.com>
Copyright 1995-2003 Free Software Foundation Inc. Written by Ulrich Drepper <drepper@cygnus.com>
Copyright 2004-2018 Free Software Foundation Inc. Contributed by Richard Henderson <rth@redhat.com>
Copyright (C) 1997-2018 Free Software Foundation Inc. Contributed by Ovidiu Predescu (ovidiu@net-community.com).
Copyright 1989-2018 Free Software Foundation Inc. Contributed by Apple Computer Inc
Copyright (C) 2015-2018 Free Software Foundation Inc. Contributed by Imagination Technologies Ltd.
Copyright 1995-2018 Free Software Foundation Inc. Contributed by Cygnus Support
Copyright (C) 1996-2018 Free Software Foundation Inc. --- -- GARLIC is free software you can redistribute it and or modify it under --
Copyright 1984, 1987, 1989, 1992, 2000-2001 Stephen L. Moshier
Copyright 1998-2010 Gilles Vollant Even Rouault Mathias Svensson
Copyright 1992-2018 Free Software Foundation Inc. --- --
Copyright textcopyright 2014-2016
Copyright 1992-2018 AdaCore --- -- GNAT is free software
Copyright 2002 Ranjit Mathew
Copyright (C) 2009-2018 Free Software Foundation Inc. Contributed by Arthur Loiret <aloiret@debian.org>
Copyright 2011-2018 Free Software Foundation Inc. Contributed by Walter Lee (walt@tilera.com)
Copyright 2011-2012 Tiler Corp
Copyright 2007-2018 Free Software Foundation Inc. Contributed by Richard Guenther <rguenther@suse.de>
Copyright (C) 2004-2018 Free Software Foundation Inc. echo echo This file is part of GCC.
Copyright (C) 1992-2018 Free Software Foundation Inc. Contributed by Tim Moore (moore@cs.utah.edu) based on sparc.
Copyright 2002-2018 Free Software Foundation Inc. Contributed by Aldy Hernandez (aldyh@redhat.com). Rewritten by Paolo Bonzini (bonzini@gnu.org)
Copyright 2014-2018 Free Software Foundation Inc. Contributed by Richard Biener <rguenther@suse.de> and Prathamesh Kulkarni <bilbotheelffriend@gmail.com>
Copyright (C) 2015-2018 Free Software Foundation Inc. Contributed by Ajit Kumar Agarwal <ajitkum@xilinx.com>.

Copyright 2012-2018 Free Software Foundation Inc. Contributed by Pekka Jaaskelainen <pekka.jaaskelainen@parmanance.com> for General Processor Tech

Copyright 2005-2018 Free Software Foundation Inc. Contributed by Francois-Xavier Coudert <coudert@clipper.ens.fr>

Copyright 2007 Free Software Foundation Contributed by Ollie Wild <aaw@google.com> Origin Volker Reichelt <reichelt@gcc.gnu.org>

Copyright (C) 2009 Canonical Ltd. Author Kees Cook <kees@ubuntu.com> License GPLv3

Copyright 2000-2018 Free Software Foundation Inc. Contributed by Hans-Peter Nilsson (hp@bitrange.com)

Copyright (C) 2002-2018 Free Software Foundation Inc. Contributed by Paul Brook <paul@nowt.org and Steven Bosscher <s.bosscher@student.tudelft.nl>

Copyright 1996-2001, 2003-2009 Free Software Foundation Inc. Written by Gordon Matzigkeit

Copyright 1986 University of Toronto. -- --

Copyright 2013 Mentor Graphics

Copyright (C) 2003-2018 Free Software Foundation Inc. Updated by CodeSourcery LLC.

Copyright (C) 2010 2011 Free Software Foundation Inc. Written by Tobias Burnus <burnus@net-b.de>

Copyright (c) 2008 Red Hat Inc. derived from unix64.S

Copyright 2007 Free Software Foundation Contributed by Andreas Krebbel <Andreas.Krebbel@de.ibm.com>

Copyright 2013, 2015 NVIDIA Corp

Copyright 2009-2012 the contributors listed in CREDITS.TXT

Copyright 1987-2018 Free Software Foundation Inc. Hacked by Michael Tiemann (tiemann@cygnus.com)

Copyright (C) 2012-2018 Free Software Foundation Inc. Contributed by Andes Technology Corporation.for NDS32.

Copyright (C) 2003-2018 Free Software Foundation Inc. Contributed by P.J. Darcy (darcypj@us.ibm.com) Hartmut Penner (hpenner@de.ibm.com) and

Copyright (C) 2002-2018 Free Software Foundation Inc. Contributed by Joern Rennecke <joern.renecke@superh.com>

Copyright 2002-2018 Free Software Foundation Inc. Contributed by Nathan Sidwell <nathan@codesourcery.com>

Copyright 1995-1997 C H Forsyth (forsyth@terzarima.net)

Copyright (C) 1997-2018 Free Software Foundation Inc. Contributed by John Carr (jfc@mit.edu).

Copyright 1994 HEWLETT-PACKARD Co

Copyright 1998 Andreas R. Kleinert

Copyright 1998-2018 Free Software Foundation Inc. Contributed by Mark Mitchell (mark@markmitchell.com)

Copyright 2009-2018 Free Software Foundation Inc. Contributed by Michael Meissner (meissner@linux.vnet.ibm.com)

Copyright (C) 2002 Free Software Foundation. by Hans-Peter Nilsson <hp@bitrange.com> derived from mzero2.

Copyright 2003-2018 Free Software Foundation Inc. Contributed by Dorit Naishlos <dorit@il.ibm.com>

Copyright (C) 2002-2018 Free Software Foundation Inc. Contributed by Andy Vaught Namelist input contributed by Paul Thomas

Copyright (C) 2005 Free Software Foundation Inc. PR

(C) 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2009 2010 2011 2012 2013 2014 2015 2017 Free Software Foundation Originally by Gerald Pfeifer <gerald@pfeifer.com> August

Copyright (C) 2000-2018 Free Software Foundation Inc. Contributed by James E. Wilson <wilson@cygnus.com>.

Copyright (C) 2002-2018 Free Software Foundation Inc. Contributed by Wasabi Systems. Inc.

Copyright 2006-2008 Free Software Foundation Inc. PR preprocessor

Copyright 2001 Free Software Foundation Inc. msgid

Copyright 2000-2018 Free Software Foundation Inc. Contributed by Paul Brook <paul@nowt.org>

Copyright 2002 Free Software Foundation Inc. Source Neil Booth

Copyright 2000-2005 Free Software Foundation Contributed by Kriang Lerdsuwanakij <lerdsuwa@users.sourceforge.net>

Copyright 1991-2018 Free Software Foundation Inc. -- -- -- GNARL is free software

Copyright 2008-2018 Free Software Foundation Inc. Contributed by Richard Henderson <rth@redhat.com> and Aldy Hernandez <aldyh@redhat.com>

Copyright 2010-2018 Free Software Foundation Inc. Written by Ian Lance Taylor Google

Copyright 1994-2018 Free Software Foundation Inc. Contributor Joern Rennecke <joern.renecke@embecosm.com> on behalf of Synopsys Inc

Copyright 2004 Renesas Technology

Copyright (c) 2000 2001 2002 2007 2008 Free Software Foundation Inc. & E

Copyright 1996-2018 Free Software Foundation Inc. Contributed by Galen C. Hunt (gchunt@cs.rochester.edu)

Copyright (c) 2008 David Daney

Copyright (C) 1999-2018 Free Software Foundation Inc. Contributed by Vladimir Makarov <vmakarov@cygnus.com>.

Copyright (C) 1992-2018 Free Software Foundation Inc. Contributed by Steve Naroff.

Copyright 2013 Tensilica Inc

Copyright 2008-2018 Free Software Foundation Inc. Contributed by Thomas Koenig <tkoenig@gcc.gnu.org> based on spread

Copyright (C) 2003 Free Software Foundation. Check that size-optimizations for move insns

copyright and license notices. ChangeLog ChangeLog-2005

Copyright 2001 Stephen L. Moshier <moshier@na-net.ornl.gov> and are Inc herein by
Copyright 2006 Free Software Foundation Inc. Contributed by Carlos O'Donell on
Copyright 1984, 1991 Stephen L. Moshier Adapted for glibc November
COPYRIGHT SIGN (16 000AA 16
Copyright 2003-2018 Free Software Foundation Inc. Contributed by Kelley Cook June
Copyright (C) 1999-2018 Free Software Foundation Inc. Contributed by Mumit Khan <khan@xraylith.wisc.edu>. Modified and moved to
separate file by Danny Smith
(C) 2013 Free Software Foundation Contributed by Tobias Burnus
Copyright 1999-2018 Free Software Foundation Inc. Contributed by Nathan Sidwell
Copyright (C) 2014-2018 Free Software Foundation Inc. Written by Yury Gribov <y.gribov@samsung.com>
Copyright 1999-2018 Free Software Foundation Inc. Written by Mark Mitchell <mark@codesourcery.com>
Copyright 2000, 2015 notice and
Copyright 1989-2018 Free Software Foundation Inc. Contributed by Mike Stump <mrs@cygnus.com>
Copyright 2012 Google Inc. Package foo does bar.
Copyright 1986-2018 Free Software Foundation Inc. Written by Per Bothner
Copyright (c) 2011 Timothy Wall
Copyright (C) 2015-2018 Free Software Foundation Inc. -- -- -- S
Copyright (C) 2011-2018 Free Software Foundation Inc. Contributed by Ian Lance Taylor Google.
Copyright 1996, 2006-2007, 2010 to
Copyright 2002 Roger Sayle
Copyright 2001-2003 Peter Dimov and Multi Media Ltd
Copyright 2007-2018 AdaCore -- -- -- --
Copyright 2013-2018 Free Software Foundation Inc. Contributed by David Malcolm <dmalcolm@redhat.com>
Copyright (C) 2000-2018 Free Software Foundation Inc. Contributed by Nick Clifton (nickc@redhat.com)
Copyright 2009-2018 Free Software Foundation Inc. Contributed by Michael Meissner <meissner@linux.vnet.ibm.com>
Copyright 2014 Sebastian Macke <sebastian@macke.de>
Copyright (C) 2003-2018 Free Software Foundation Inc. Contributed by kejia Zhao
Copyright (C) 1999-2018 Free Software Foundation Inc. Contributed by Philip Blundell <pb@nexus.co.uk>
Copyright 1995-1999 Free Software Foundation Inc. Contributed by Ulrich Drepper <drepper@gnu.ai.mit.edu>
Copyright 1999-2018 Free Software Foundation Inc. Contributed by Hartmut Penner (hpenner@de.ibm.com) and Ulrich Weigand
(uweigand@de.ibm.com) and
Copyright 2000-2018 Free Software Foundation Inc. Contributed by Jes Sorensen <Jes.Sorensen@cern.ch>
Copyright 1998 Bob Dellaca
Copyright 2000-2018 Free Software Foundation Inc. Contributed by Paul Brook
Copyright 2004-2018 Free Software Foundation Inc. Contributed by Kenneth Zadeck <zadeck@naturalbridge.com>
Copyright 2000-2018 Free Software Foundation Inc. Contributed by Mark Mitchell <mark@codesourcery.com>
Copyright (C) 2014-2018 Free Software Foundation Inc. Contributed by Roman Gareev <gareevroman@gmail.com>.
Copyright 1991-2018 Free Software Foundation Inc. Contributed by Ron Guilmette (rfg@monkeys.com)
Copyright 1995-2017 Jean-loup Gailly and Mark Adler
Copyright (c) 2012 Alexandre K. I. de Mendonca <alexandre.keunecke@gmail.com>
Copyright (C) 2006-2018 Free Software Foundation Inc. Contributed by Sebastian Pop <sebastian.pop@inria.fr>.
Copyright 1990-1991, 2014 The Regents of the University of California
Copyright (C) 1995-2018 Free Software Foundation Inc. Mostly written by Jason Merrill (jason@cygnus.com).
Copyright (C) 2002-2018 Free Software Foundation Inc. Written by Zack Weinberg <zack@codesourcery.com
Copyright (c) 2012 2013 Anthony Green Target configuration macros for Moxie
Copyright (c) 2008 Red Hat Inc -
Copyright 1994-2018 Free Software Foundation Inc. Contributed by Richard Earnshaw (richard.earnshaw@arm.com)
Copyright (C) 1996-2018 Free Software Foundation Inc. Contributed by David S. Miller (davem@caip.rutgers.edu)
Copyright (C) 1989-2018 Free Software Foundation Inc. Written by James Clark (jjc@jclark.uucp) Rewritten by Fred Fish
(fnf@cygnus.com) for ARM and Lucid demangling
Copyright 2005-2018 Free Software Foundation Inc. Contributed by IBM Corp. Author Mike Cowlshaw
COPYRIGHT SIGN LI -- (16 000AA 16
Copyright 2001 Stephen L. Moshier (moshier@na-net.ornl.gov)
Copyright 2012-2018 Free Software Foundation Inc. Contributed by Sriraman Tallam (tmsriram@google.com)
Copyright 2013 The Written Word Inc
Copyright (C) 2009-2018 Free Software Foundation Inc. Contributed by Alan Modra <amodra@gmail.com>.
Copyright (C) 2001-2018 Free Software Foundation Inc. Contributed by Daniel Berlin <dan@db Berlin.org> and Steven Bosscher
<stevenb@suse.de>

[Public]

Copyright 1991-2018 Free Software Foundation Inc. Contributed by ARM Ltd
Copyright 1994 X Consortium
Copyright (c) 1996-2003 Red Hat Inc. Target configuration macros for CRIS.
Copyright © 1998 by Information Technology Industry Council.
Copyright (c) 1996-2003 Red Hat Inc. Target configuration macros for SuperH.
Copyright (c) 1996-2003 Red Hat Inc. Target configuration macros for hppa.
copyright notice Add 2004
Copyright 1994 Free Software Foundation Inc. Verbatim copying and redistribution of
Copyright (c) 2000 2001 Free Software Foundation. Distilled from
Copyright 2004, 2008, 2011-2014 Anthony Green
Copyright 2007-2018 Free Software Foundation Inc. Contributed by Ben Elliston (bje@au.ibm.com) and Peter Bergner (bergner@vnet.ibm.com)
Copyright 2012-2018 Free Software Foundation Inc. Contributed by Ilya Enkovich
Copyright 2014-2018 Free Software Foundation Inc. Contributed by Kai Tietz <ktietz@redhat.com>

gdb version 12.1

<<<<<<<<<xilinx-separator>>>>>>>>>

The text of the GNU General Public License, Version 3 (June 2007), a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

>>> zlib license

/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.11, January 15th, 2017

Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

Jean-loup Gailly Mark Adler
jloup@gzip.org madler@alumni.caltech.edu

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://tools.ietf.org/html/rfc1950> (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).

*/

Copyright 2000-2022 Free Software Foundation Inc. Contributed by Andreas Krebbel

Copyright 1996-2022 Free Software Foundation Inc. Written by Klaus K
Copyright 1988-2022 Free Software Foundation Inc. Written by Pace Willisson
Copyright 1990-2022 Free Software Foundation Inc. Hacked by John Gilmore and Steve Chamberlain of Cygnus Support
Copyright 2017-2022 Free Software Foundation Inc. Written by Teresa Johnson <tejohnson@google.com>
Copyright 1993-2022 Free Software Foundation Inc. Contributed by Cygnus Support. Written by Ian Lance Taylor <ian@cygnus.com>
Copyright 1996-1997 Andrey A. Chernov Moscow Russia
Copyright 1998-1999 Cygnus Solutions
Copyright 2000-2022 Free Software Foundation Inc. dnl dnl GCC is free software
Copyright 1991-2022 Free Software Foundation Inc. Author Roland H. Pesch
Copyright 2003-2022 Free Software Foundation Inc. Contributed by Michal Ludvig <mludvig@suse.cz>
Copyright 2022 Free Software Foundation Inc. msgstr
Copyright 1983 Regents of the University of California. msgstr Bazat pe BSD gprof
Copyright 1992 Free Software Foundation Inc. Written By David Vinayak Henkel-Wallace June
Copyright 2010-2022 Free Software Foundation Inc. Written by Igor Kudrin <ikudrin@accesssoftekt.com>
Copyright 2001 Hans-Peter Nilsson
Copyright 1999-2022 Free Software Foundation Inc. Contributed by Sergey Belyashov <sergey.belyashov@gmail.com>
Copyright 2000-2022 Free Software Foundation Inc. Contributed by Mark Mitchell <mark@codesourcery.com>
Copyright 2013-2022 Free Software Foundation Inc. Written by Ian Lance Taylor Google and David Edelsohn IBM
Copyright 1998-2010 Gilles Vollant
Copyright 2001-2022 Free Software Foundation Inc. Written by Jakub Jelinek <jakub@redhat.com>
Copyright 1993-1994 International Business Machines Corp
Copyright 1995-2022 Free Software Foundation Inc. Written by Ian Lance Taylor <ian@cygnus.com>. Tags style generation written by Salvador E. Tropea <set@computer.org>
Copyright 1995-2017 Jean-loup Gailly detect
Copyright 1993-2022 Free Software Foundation Inc. Written by Ian Lance Taylor Cygnus Support <ian@cygnus.com>
Copyright 1995-2010 Jean-loup Gailly Brian Raiter and Gilles Vollant
Copyright 2002-2022 Free Software Foundation Inc. Contributed by Kuang Hwa Lin. Written by Kuang Hwa Lin
Copyright 1990-2022 Free Software Foundation Inc. Written by Mimi Phuong-Thao Vo of IBM and John Gilmore of Cygnus Support
Copyright 2007-2022 Free Software Foundation Inc. Written by M R Swami Reddy
Copyright 2011 Daniel Richard G. <skunk@iSKUNK.ORG>
Copyright 1987 Oliver Laumann
Copyright 1992-2022 Free Software Foundation Inc. Contributed by Cygnus Support. Written by Steve Chamberlain <sac@cygnus.com>
Copyright 1998-2022 Free Software Foundation Inc. Written by DJ Delorie <dj@cygnus.com>
Copyright 1991-2022 Free Software Foundation Inc. Written by Steve Chamberlain <sac@cygnus.com> ELF support by Ian Lance Taylor <ian@cygnus.com>
Copyright 1999, 2004 Per Bothner
Copyright 2014-2022 Free Software Foundation Inc. Written by Steve Chamberlain steve@cygnus.com Extended for the MSP430 by Nick Clifton nickc@redhat.com
Copyright 2005-2022 Free Software Foundation Inc. Contributed by FTDI
Copyright 2002-2022 Free Software Foundation Inc. Contributed for OR32 by Ivan Guzvinec <ivang@opencores.org>
Copyright 1986 HEWLETT-PACKARD Co
Copyright 2000-2022 Free Software Foundation Inc. Contributed by Embecosm on behalf of Adapteva Inc
Copyright 2008-2022 Free Software Foundation Inc. Written by David S. Miller <davem@davemloft.net>
Copyright 1983 Regents of the University of California. msgstr
Copyright 2002-2003 year
Copyright 1993-2022 Free Software Foundation Inc. Contributed by Cygnus Support. Put together by Ian Lance Taylor <ian@cygnus.com>
Copyright 2002-2022 Free Software Foundation Inc. Contributed by Wasabi Systems Inc
Copyright 1999-2022 Free Software Foundation Inc. Written by Bob Manson Cygnus Solutions <manson@cygnus.com>
Copyright 2009-2022 Free Software Foundation Inc. Contributed by Anthony Green (green@moxielogic.com)
Copyright 2008-2022 Free Software Foundation Inc. Written by Cary Coutant <ccoutant@gmail.com>
Copyright 2009-2022 Free Software Foundation Inc. Written by Eli Zaretskii
Copyright 1983 Regents of the University of California. msgstr Baseado no BSD gprof
Copyright 1999-2022 Free Software Foundation Inc. Written by Nick Duffek <nsd@redhat.com>
Copyright 2001-2022 Free Software Foundation Inc. Written by Tom Rix Contributed by Red Hat Inc
Copyright 2012-2022 Free Software Foundation Inc. Contributed by Mentor Graphics Inc
Copyright 2008-2009, 2011 Free Software Foundation Inc. msgstr Hak cipta

Copyright 2012-2022 Free Software Foundation Inc. Written by Jiong Wang (jiwang@tilera.com)
Copyright 1991, 1993 DJ Delorie
Copyright 2013-2022 Free Software Foundation Inc. Contributed by Andrew Bennett (andrew.bennett@imgtec.com)
Copyright 1995-2022 Free Software Foundation Inc. Written by Ian Lance Taylor <ian@cygnus.com>
Copyright 2001, 2006 International Business Machines Corp Sony Computer Entertainment Inc
Copyright 2007-2022 Free Software Foundation Inc. Contributed by MIPS Technologies Inc. Written by Chao-ying Fu (fu@mips.com)
Copyright 2001, 2005 date to
Copyright 1995-2022 Free Software Foundation Inc. Contributed by Pauline Middelink <middelink@polyware.iaf.nl>
Copyright 1983 Regents of the University of California. msgstr Basierend auf BSD gprof
Copyright 1991-2022 Free Software Foundation Inc. Written by Steve Chamberlain <sac@cygnus.com> AIX support by Ian Lance Taylor <ian@cygnus.com>
Copyright 2001-2022 Free Software Foundation Inc. Written by Tom Rix Redhat
Copyright 2017-2022 Free Software Foundation Inc. Contributed by Francois H. Theron <francois.theron@netronome.com>
Copyright 1991, 1995-1996, 2000, 2008, 2010-2011 to
Copyright 1990-1992 MIPS Computer Systems Inc. MIPS Computer Systems Inc. grants reproduction and
Copyright 2021-2022 Free Software Foundation Inc. Contributed by Loongson Ltd
Copyright 2001-2022 Free Software Foundation Inc. Contributed by Bob Wilson (bob.wilson@acm.org) at Tensilica
Copyright 1999-2022 Free Software Foundation Inc. Written by Stephane Carrez (stcarrez@nerim.fr) XGATE and S12X added by James Murray (jsm@jsm-net.demon.co.uk)
Copyright 2004-2022 Free Software Foundation Inc. Written by Tomer Levi NSC Israel
Copyright 2008-2022 Free Software Foundation Inc. Written by Evgenii Stepanov <eugenis@google.com>
Copyright 1995-2020 Free Software Foundation Inc. Written by Ulrich Drepper <drepper@cygnus.com>
Copyright 2013-2022 Free Software Foundation Inc. Contributed by Hui Zhu <hui@codesourcery.com>
Copyright 2009-2010 Change to
Copyright 1997-2022 Free Software Foundation Inc. Derived from sim-main
Copyright 2009-2022 Free Software Foundation Inc. Written by Doug Kwan <dougkwan@google.com>
Copyright 1988-2020 Free Software Foundation Inc. Authored by Brian Fox and Chet Ramey
Copyright 1989-2022 Free Software Foundation Inc. Contributed by Carnegie Mellon University
Copyright 2005-2022 Free Software Foundation Inc. Written by Analog Devices Inc
Copyright 2000-2022 Free Software Foundation Inc. Written Clinton Popetz. Contributed by Cygnus Support
Copyright 1999-2022 Free Software Foundation Inc. Written by Linus Nordberg Swox AB <info@swox.com> based on elf32-ppc
Copyright 1996-2022 Free Software Foundation Inc. Contributed by Cygnus Solutions and Mike Frysinger
Copyright 1990-2000 Info-ZIP
Copyright 1995-2017 Jean-loup Gailly
Copyright 2006, 2008, 2015, 2018, 2020 Sharuzzaman Ahmat Raslan
Copyright 2014
Copyright 2012-2022 Free Software Foundation Inc. Contributed by Hui Zhu <hui_zhu@mentor.com> Contributed by Yao Qi <yao@codesourcery.com>
Copyright 2003-2022 Free Software Foundation Inc. Contributed by Aldy Hernandez (aldyh@redhat.com)
Copyright 1993-2022 Free Software Foundation Inc. Written by Stu Grossman Cygnus Support. Converted to back-end form by Ian Lance Taylor Cygnus Support
Copyright 2005-2022 Free Software Foundation Inc. Contributed by Analog Devices
Copyright 2002-2022 Free Software Foundation Inc. Contributed by matthew green (mrg@redhat.com)
Copyright 2009 Arm Ltd
Copyright 2002-2004 Dmitry Anisimkov -- -- -- --
Copyright 2005-2022 Free Software Foundation Inc. Contributed by Nigel Stephens (nigel@mips.com) and David Ung (davidu@mips.com) of MIPS Technologies
Copyright 2003-2022 Free Software Foundation Inc. Written by Kaveh R. Ghazi <ghazi@caip.rutgers.edu>
Copyright 2011-2022 Free Software Foundation Inc. Written by Sasa Stankovic <sasa.stankovic@imgtec.com> and Aleksandar Simeonov <aleksandar.simeonov@rt-rk.com>
Copyright 2010 header to add year
Copyright 1994-2022 Free Software Foundation Inc. Contributed by Richard Earnshaw (rwe@pegasus.esprit.ec.org)
Copyright 1983 Regents of the University of California. msgstr Surbaze de BSD gprof kopirajto
Copyright 1990, 1994 The University of Utah and the Computer Systems Laboratory
Copyright 2005-2022 Free Software Foundation Inc. Contributed by MIPS Technologies Inc. Written by Chao-ying Fu
Copyright 2006-2022 Free Software Foundation Inc. Written by Andrew Chatham
Copyright 1990-2022 Free Software Foundation Inc. Written by Metin G. Ozisik Mimi Phuong-Thao Vo and John Gilmore. Archive support from Damon A. Permezel

Copyright 2009-2022 Free Software Foundation Inc. Written by Rafael Avila de Espindola <espindola@google.com> and Cary Coutant <ccoutant@google.com>
Copyright 2008-2019 Synopsys Inc
Copyright 1993 Intel Corp
Copyright 2005-2022 Free Software Foundation Inc. Written by Mike Frysinger
Copyright 1994-1998, 2003-2004 Andrew Cagney
Copyright 1984, 2000 S.L. Moshier
Copyright 1999-2022 Free Software Foundation Inc. Written by Stephane Carrez (stcarrez@worldnet.fr)
Copyright 2001 Dimitris Vyzovitis
Copyright 2009-2022 Free Software Foundation Inc. Inspired by the Microblaze simulator Contributed by Dimitar Dimitrov <dimitar@linux.eu>
Copyright 2012-2022 Free Software Foundation Inc. Written by Red Hat Inc
Copyright 1983 Regents of the University of California. msgstr Bas sur BSD gprof
Copyright 1998-2010 Gilles Vollant -
Copyright 2002-2022 Free Software Foundation Inc. Written by Tom Rix Red Hat Inc
Copyright 2005-2022 Free Software Foundation Inc. Contributed by Analog Devices Inc. and Mike Frysinger
Copyright 2005-2022 Free Software Foundation Inc. Contributed by Arnold Metselaar <arnold_m@operamail.com>
Copyright 1988-2022 Free Software Foundation Inc. Written by Paul Kranenburg EUR
Copyright 1996-2022 Free Software Foundation Inc. By Doug Evans Cygnus Support <dje@cygnus.com>
Copyright 1997-2022 Free Software Foundation Inc. Written by Kai Tietz Onevision
Copyright 2008 Benjamin Kosnik <bkoz@redhat.com>
Copyright 2011 Adapteva Inc
Copyright 1994-2022 Free Software Foundation Inc. Written by Ken Raeburn (raeburn@cygnus.com)
Copyright 2002 Free Software Foundation Inc. GDB is free software
Copyright 1991-2022 Free Software Foundation Inc. By Steve Chamberlain <sac@cygnus.com>
Copyright 2003 Artem B. Bityuckiy SoftMine Corp. Rights transferred to Franklin Electronic Publishers
Copyright 2003-2022 Free Software Foundation Inc. Contributed by Bob Wilson at Tensilica Inc. (bwilson@tensilica.com)
Copyright 2013-2022 Free Software Foundation Inc. Contributed by FTDI (support@ftdichip.com)
Copyright 2007-2022 Free Software Foundation Inc. Written by Cary Coutant <ccoutant@google.com>
Copyright 1996 Xavier Leroy (Xavier.Leroy@inria.fr)
Copyright 2000-2022 Free Software Foundation Inc. Contributed Martin Schwidefsky (schwidefsky@de.ibm.com)
Copyright 1998-2001 Lucent Technologies
Copyright 2003, 2005 Free Software Foundation Inc. Deniz Akkus Kanca <deniz@arayan.com>
Copyright 2014-2022 Free Software Foundation Inc. Written by Jing Yu <jingyu@google.com> and Han Shen <shenhan@google.com>
Copyright 2004 Per Bothner <per@bothner.com> Based on config
Copyright 2010-2022 Free Software Foundation Inc. Written by Matthew Gretton-Dann <matthew.gretton-dann@arm.com> Based upon arm
Copyright 1996 treaty adopted on
Copyright 2019-2022 Free Software Foundation Inc. Contributed by Oracle Inc
Copyright 1995-2017 Jean-loup Gailly and Mark Adler .LP
Copyright 1983 Regents of the University of California. msgstr Bunaithe ar gprof BSD
Copyright 1996-2022 Free Software Foundation Inc. Contributed by Klaus K
Copyright 1997-2022 Free Software Foundation Inc. Written by Ian Lance Taylor Cygnus Solutions
Copyright 2001-2022 Free Software Foundation Inc. Contributed by Hans-Peter Nilsson <hp@bitrange.com>
Copyright 1995-2017 Mark Adler
Copyright 1995-1997 Ulrich Drepper <drepper@gnu.ai.mit.edu>
Copyright 2002-2022 Free Software Foundation Inc. Contributed by Chris Demetriou of Broadcom Corp
Copyright 1991-2021 Free Software
Copyright 2009-2022 Free Software Foundation Inc. Written by Marcin Kocielnicki <koriakin@0x04.net>
Copyright 1995-2022 Free Software Foundation Inc. Written by Ken Raeburn
Copyright 2004-2022 Free Software Foundation Inc. -- --
Copyright 1990-2022 Free Software Foundation Inc. Written by Cygnus Support
Copyright (C) 2001-2002 2004-2021 Free Software Foundation Inc. Written by Paul Eggert Bruno Haible Sam Steingold Peter Burwood.
This file is part of gnulib.
Copyright 1991-2022 Free Software Foundation Inc. Written by Steve Chamberlain steve@cygnus.com
Copyright 2009-2022 Free Software Foundation Inc. Written by Tristan Gingold AdaCore
Copyright 2014-2022 Free Software Foundation Inc. Written by Yury Gribov <y.gribov@samsung.com>
Copyright 2007-2022 Free Software Foundation Inc. Contributed by M R Swami Reddy

Copyright 2009-2022 Free Software Foundation Inc. Written by Chris Demetrious <cgd@google.com>
Copyright 1999 Kungliga Tekniska Hgskolan
Copyright 2000-2022 Free Software Foundation Inc. Contributed by Martin Schwidefsky (schwidefsky@de.ibm.com). 5a
Copyright 2022 Free Software Foundation Inc. msgstr
Copyright 2009-2010 Mathias Svensson
Copyright 2009-2022 Free Software Foundation Inc. Contributed by Rafael Espindola <espindola@google.com>
Copyright 2014-2022 Free Software Foundation Inc. Written by Jing Yu (jingyu@google.com)
Copyright 2004-2022 Free Software Foundation Inc. Contributed by Tomer Levi NSC Israel. Written by Tomer Levi
Copyright 2004 Per Bothner <per@bothner.com>
Copyright 2009-2022 Free Software Foundation Inc. Written by Doug Kwan <dougkwan@google.com> by refactoring scattered contents from other files in gold. Original code written by Ian
Copyright 2008-2022 Free Software Foundation Inc. Written by David S. Miller <davem@davemloft.net> and David Edelsohn <edelsohn@gnu.org>
Copyright 2001, 2010, 2018 Free Software Foundation Inc. Daisuke Yamashita <yamad@mb.infoweb.ne.jp>
Copyright 2010-2022 Free Software Foundation Inc. Contributed by Andrew Jenner <andrew@codesourcery.com> Contributed by Yao Qi <yao@codesourcery.com>
Copyright 1996-2022 Free Software Foundation Inc. Contributed by Richard Henderson <rth@tamu.edu>
Copyright 1996-2022 Free Software Foundation Inc. Written by Martin Hunt (hunt@cygnus.com) Cygnus Support
Copyright 2005 date reported by --
Copyright 1998-2022 Free Software Foundation Inc. Contributed by David Mosberger-Tang <davidm@hpl.hp.com>
Copyright 1996-2010 Texas Instruments Inc
Copyright 1999-2022 Free Software Foundation Inc. Contributed by Vladimir Makarov (vmakarov@cygnus.com)
Copyright 1998-2000 Jacques Nomssi Nzali
Copyright 1998-2022 Free Software Foundation Inc. Contributed by Mark Mitchell (mark@markmitchell.com)
Copyright 1994-2022 Free Software Foundation Inc. Contributed by Ian Lance Taylor Cygnus Support
Copyright 2010-2022 Free Software Foundation Inc. Contributed by Tristan Gingold <gingold@adacore.com> AdaCore
Copyright 1997-2022 Free Software Foundation Inc. Written by Ian Lance Taylor Cygnus Support. Extended by Kai Tietz Onevision
Copyright 2004 Scott James Remnant <scott@netsplit.com>. dnl
Copyright 2002-2022 Free Software Foundation Inc. Contributed by MontaVista Software Inc
Copyright 2001 Christopher G. Demetrious
Copyright 2016-2022 Free Software Foundation Inc. Written by Than McIntosh <thanm@google.com>
Copyright 2002-2022 Free Software Foundation Inc. Based on code contributed by Wasabi Systems Inc
Copyright 1999-2022 Free Software Foundation Inc. Written by Michael Snyder at Cygnus Solutions. Based on work by Fred Fish Stu Grossman Geoff Noer and others
Copyright 1993-2022 Free Software Foundation Inc. Written by Steve Chamberlain and Ian Lance Taylor Cygnus Support
Copyright 1983 Regents of the University of California. msgstr Da vo phn mm gprof ca BSD
Copyright 2002 SuperH Inc
Copyright 2003 Chris Anderson <christop@charm.net> Please
Copyright 1995-1999 Free Software Foundation Inc. Written by Ulrich Drepper <drepper@gnu.org>
Copyright 1998 Todd C. Miller <Todd.Miller@courtesan.com>
Copyright 1990-2022 Free Software Foundation Inc. Contributed by Ian Dall (idall@eleceng.adelaide.edu.au)
Copyright 2005-2022 Free Software Foundation Inc. Contributed by Synopsys Inc
Copyright 2000-2022 Free Software Foundation Inc. Written by Martin Schwidefsky (schwidefsky@de.ibm.com)
Copyright 1993-2022 Free Software Foundation Inc. Copying and distribution of
Copyright 2004-2005, 2007, 2009 Free Software Foundation Inc. Written by Scott James Remnant
Copyright 1991 AT&T
Copyright 2002-2022 Free Software Foundation Inc. Contributed by Dmitry Diky <diwil@mail.ru>
Copyright 2002-2022 Free Software Foundation Inc. Contributed by Red Hat Inc
Copyright 1990-2022 Free Software Foundation Inc. Written by Dimitar Dimitrov <dimitar@linux.eu>
Copyright 1990-2022 Free Software Foundation Inc. Almost totally rewritten by Ian Dall from initial work by Andrew Cagney
Copyright 2007-2008 Even Rouault
Copyright 2011, 2014, 2017 Free Software Foundation Inc. msgid
Copyright 2013-2022 Free Software Foundation Inc. Contributed by Red Hat. Based on sim bfin bfin-sim
Copyright 1996-2014 Free Software Foundation Inc. Originally written by Fran cois Pinard <pinard@iro.umontreal.ca>
Copyright 1993-2022 Free Software Foundation Inc. Written by Ian Lance Taylor Cygnus Support
Copyright 1983 Regents of the University of California. msgstr Based on BSD gprof
Copyright 1993-2022 Free Software Foundation Inc. Contributed by Ralph Campbell and OSF Commented and modified by Ian Lance Taylor Cygnus Support

Copyright 2006-2022 Free Software Foundation Inc. Written by Kai Tietz OneVision Software GmbH&CoKg
Copyright 1999-2022 Free Software Foundation Inc. Contributed by David Mosberger <davidm@hpl.hp.com>
Copyright 2004-2005, 2007-2009 Free Software Foundation Inc. Written by Gary V. Vaughan
Copyright (C) 2006-2021 Free Software Foundation Inc. Written by Paul Eggert Bruno Haible Derek Price. This file is part of gnulib.
Copyright 1999 Jeff Solomon
Copyright 1993-2022 Free Software Foundation Inc. .PP
Copyright 1983 Regents of the University of California. msgstr Perustuu BSD
Copyright 2004-2022 Free Software Foundation Inc. Contributed by David Ung of MIPS Technologies
Copyright 1987-2022 Free Software Foundation Inc. Contributed by David D. Johnson Brown University (ddj@cs.brown.edu)
Copyright 1995-2022 Free Software Foundation Inc. dnl dnl
Copyright 1995-2022 Free Software Foundation Inc. Contributed by Mike Frysinger
Copyright 2000-2022 Free Software Foundation Inc. Contributed by Alexandre Oliva <aoliva@cygnus.com>
Copyright 2001-2022 Free Software Foundation Inc. Contributed by Jiri Smid SuSE Labs
Copyright 1994 Advanced RISC Machines Ltd. Modifications to add arch
Copyright 2012 Brian Aker <brian@tangent.org>
Copyright 2011 comment line regression by
Copyright 2000-2022 Free Software Foundation Inc. Contributed by CodeSourcery LLC
Copyright 2008-2022 Free Software Foundation Inc. Written by Caleb Howe <cshowe@google.com>
Copyright 2010-2022 Free Software Foundation Inc. Contributed by Sean Keys(skeys@ipdatasys.com)
Copyright 1996-2022 Free Software Foundation Inc. Contributed by Martin Hunt (hunt@cygnus.com)
Copyright 1994, 2000 Advanced RISC Machines Ltd
Copyright 1996-2022 Free Software Foundation Inc. Contributed by Richard Henderson <rth@tamu.edu> patterned after the PPC
opcode handling written by Ian Lance Taylor
Copyright 1995-2022 Free Software Foundation Inc. Contributed by Jiri Gaisler European Space Agency
Copyright 2008 Christophe Tournayre <turn3r@users.sourceforge.net>
Copyright 1994-2022 Free Software Foundation Inc. Contributed by Cupertino Miranda (cmiranda@synopsys.com)
Copyright 2012-2015 Dan Nicholson <dbn.lists@gmail.com> dnl dnl
Copyright 1990-2022 Free Software Foundation Inc. Written by Steve Chamberlain of Cygnus Support
Copyright 1995-2016 Jean-loup Gailly Mark Adler
Copyright 1995-2021 Free Software Foundation Inc. dnl
Copyright 2009-2022 Free Software Foundation Inc. Written by Joshua Oreman <oremanj@hudson-trading.com> based on icf
Copyright 2008 Steven G. Johnson <stevenj@alum.mit.edu>
Copyright 2008-2022 Free Software Foundation Inc. Contributed by Red Hat. Written by DJ Delorie
Copyright 1999-2022 Free Software Foundation Inc. Written by Elena Zannoni <ezannoni@cygnus.com> of Cygnus Solutions
Copyright 2000-2022 Free Software Foundation Inc. Contributed by Martin Schwidofsky (schwidofsky@de.ibm.com)
Copyright 2012-2021 Free Software Foundation Inc. Adapted from elf
Copyright 2010-2022 Free Software Foundation Inc. Written by Rafael vila de Espndola <rafael.espindola@gmail.com>
Copyright 2000-2022 Free Software Foundation Inc. Written by Michael Sokolov <msokolov@ivan.Harhan.ORG> based on armelf.em
Copyright 1998-2022 Free Software Foundation Inc. Contributed by Kaveh Ghazi (ghazi@caip.rutgers.edu)
Copyright 1994-2022 Free Software Foundation Inc. Contributed by Doug Evans (dje@cygnus.com)
Copyright 1998-2022 Free Software Foundation Inc. qquad Permissions on back
Copyright 2008 Guido U. Draheim <guidod@gmx.de>
Copyright 2001-2002 date is consistent with the document and that it is like
Copyright 2006, 2008-2009, 2011-2012 Analog Devices Inc
Copyright 2004-2022 Free Software Foundation Inc. Contributed by Tomer Levi NSC Israel. Originally written for GAS
Copyright 2022 Free Software Foundation Inc. - - coding iso-latin-
Copyright 2005-2022 Free Software Foundation Inc. Written by Mike Frysinger <vapier@gentoo.org>
Copyright 1983 Regents of the University of California. msgstr A BSD gprof alapjn
Copyright 1995-2022 Free Software Foundation Inc. Written by Ian Lance Taylor of Cygnus Support <ian@cygnus.com>
Copyright 2011-2022 Free Software Foundation Inc. Contributed by Andrew Waterman
Copyright 2022 Free Software Foundation Inc. gdbreplay is free software covered by the GNU General Public License
Copyright 2015 Moritz Klammler <moritz@klammler.eu>
Copyright 2011-2022 Free Software Foundation Inc. Contributed by Yao Qi <yao@codesourcery.com>
Copyright 1990-2022 Free Software Foundation Inc. Contributed by Cygnus Support
Copyright 2016-2022 Free Software Foundation Inc. Written by Tristan Gingold <gingold@adacore.com>
Copyright 2004-2005 Mark Adler. --
Copyright 1981-2002, 2014 The Regents of the University of California
Copyright 1984-2022 Free Software Foundation Inc

Copyright 1999-2022 Free Software Foundation Inc. Contributed by Steve Chamberlan of Transmeta (sac@pobox.com)
Copyright 1999-2022 Free Software Foundation Inc. Contributed by Timothy Wall (twall@alum.mit.edu)
Copyright 2013-2022 Free Software Foundation Inc. Written by FTDI (support@ftdichip.com)
Copyright 2008-2022 Free Software Foundation Inc. Written by DJ Delorie <dj@redhat.com>
Copyright 1998, 2007 Brian Raiter <breadbox@muppetlabs.com>
Copyright 2017-2022 Free Software Foundation Inc. Written by Benjamin Peterson <bp@benjamin.pe>
Copyright 1983 Regents of the University of California. msgstr BSD gprof Regents of the University of California
Copyright 2008-2022 Free Software Foundation Inc. Contributed by Anthony Green
Copyright 2007-2022 Free Software Foundation Inc. Contributed by M R Swami Reddy (MR.Swami.Reddy@nsc.com)
Copyright 2000-2022 Free Software Foundation Inc. Contributed by Jan Hubicka <jh@suse.cz>
Copyright 2010-2022 Free Software Foundation Inc. Written by Viktor Kutuzov <vkutuzov@accesssoftekt.com>
Copyright 2003 Free Software Foundation Inc. Acest fiier este distribuit sub aceeai licen ca pachetul gprof
Copyright 1990-2022 Free Software Foundation Inc. Contributed by steve chamberlain
Copyright 2001-2022 Free Software Foundation Inc. Contributed for OR32 by Johan Rydberg jrydberg@opencores.org
Copyright 1998-2022 Free Software Foundation Inc. Contributed by Steven Haworth (steve@pm.cse.rmit.edu.au)
Copyright 2009-2022 Free Software Foundation Inc. Test case from PR
Copyright 2012-2022 Free Software Foundation Inc. Contributed by Andes Technology Corp
Copyright 2010-2022 Free Software Foundation Inc. Written by Tocar Ilya <ilya.tocar@intel.com>
Copyright 2009-2022 Free Software Foundation Inc. Contributed by ARM Ltd
Copyright 1990-2022 Free Software Foundation Inc. Written by DJ Delorie
Copyright 2014, 2016 Karlson2k
Copyright 2014-2022 Free Software Foundation Inc. Written by Han Shen <shenhan@google.com> and Jing Yu <jingyu@google.com>
Copyright 2009-2022 Free Software Foundation Inc. Written by Rafael Avila de Espindola <espindola@google.com>
Copyright 2007-2022 Free Software Foundation Inc. Contributed by Nathan Sidwell <nathan@codesourcery.com>
Copyright 2001-2022 Free Software Foundation Inc. Contributed by Hans-Peter Nilsson (hp@bitrange.com)
Copyright 1999-2022 Free Software Foundation Inc. Written by Stephane Carrez (stcarrez@nerim.fr)
Copyright 2012-2022 Free Software Foundation Inc. Contributed by Nigel Gray (ngray@altera.com). Contributed by Mentor Graphics Inc
Copyright 2013-2022 Free Software Foundation Inc. Contributed by Imagination Technologies Ltd
Copyright 1998-2022 Free Software Foundation Inc. Contributed by Cygnus Support and Andrew Cagney
Copyright 1996-1999 Internet Software Consortium
Copyright 1990-2021 Free Software Foundation
Copyright 1983 Regents of the University of California. msgstr
Copyright 2000-2022 Free Software Foundation Inc. Contributed by Axis Communications AB Lund Sweden. Written by Hans-Peter Nilsson
Copyright 2000-2003 Software Foundation Inc
Copyright 1999-2022 Free Software Foundation Inc. Hacked by Steve Chamberlain of Transmeta. sac@pobox.com
Copyright 1996 L. Peter Deutsch
Copyright 1983 Regents of the University of California. msgstr Baserat p BSD gprof
Copyright 2010-2022 Free Software Foundation Inc. Contributed by Sean Keys <skeys@ipdatasys.com>
Copyright 1998-2022 Free Software Foundation Inc. Written by Anders Norlander <anorland@hem2.passagen.se>. Rewritten by Kai Tietz Onevision
Copyright 2008 Free Software Foundation Inc. msgstr Tc quyn
Copyright 2004-2022 Free Software Foundation Inc. Contributed by Axis Communications
Copyright 2002-2022 Free Software Foundation Inc. Contributed by Ed Satterthwaite and Chris Demetriou of Broadcom Corp
Copyright 2013-2022 Free Software Foundation Inc. Written by Alexander Ivchenko <alexander.ivchenko@intel.com>
Copyright 2002-2022 Free Software Foundation Inc. Originally
Copyright 2005-2006 IBM Corp
Copyright 2010-2022 Free Software Foundation Inc. Written by Nick Clifton <nickc@redhat.com>
Copyright 2011, 2019, 2021 Free Software Foundation Inc. License GPLv3
Copyright 1997-2002 FreeBSD Project
Copyright 2009-2022 Free Software Foundation Inc. Contributed by Anthony Green <green@moxielogic.com>
Copyright 1992-2022 Free Software Foundation Inc. Contributed by Cygnus Support using pieces from other GDB modules
Copyright 2011 Free Software Foundation Inc. msgstr Tc quyn nm
Copyright 1995-1996 Jean-loup Gailly Brian Raiter and Gilles Vollant. File written by Gilles Vollant by converting match686.S from Brian Raiter for MASM
Copyright 1987-1991, 1993 Carnegie Mellon University
Copyright 2000, 2002-2003 Free Software Foundation Inc. GDB is free software covered by the GNU General Public License and

Copyright 1990-2022 Free Software Foundation Inc. Written by Cygnus Solutions
Copyright 2000-2022 Free Software Foundation Inc. Written by Hans-Peter Nilsson (hp@bitrange.com)
Copyright 1992-1994 Henry Spencer
Copyright 1996 Cygnus Software Technologies Ltd
Copyright 1998-2022 Free Software Foundation Inc. Contributed by Mumit Khan (khan@xraylith.wisc.edu)
Copyright 2004 Henrik Ravn
Copyright 1992 MetaWare Inc
Copyright 1998-2022 Free Software Foundation Inc. Contributed by Andrew Cagney and Cygnus Support
Copyright 1998 M. Warner Losh <imp@freebsd.org>
Copyright 2004, 2009 Xilinx Inc
Copyright 2009-2022 Free Software Foundation Inc. Written by Craig Silverstein <csilvers@google.com>
Copyright 1998-2022 Free Software Foundation Inc. Contributed by Timothy Wall <twall@cygnus.com>
Copyright 1997-2022 Free Software Foundation Inc. Written by Robert Hoehne
Copyright 2009 Anthony Green
Copyright 1983 Regents of the University of California. msgstr Gebaseerd op BSD gprof
Copyright 1984 Third Eye Software Inc
Copyright 1983 Regents de l'Universit de Californie
Copyright 1999-2022 Free Software Foundation Inc. Contributed by Bob Manson of Cygnus Support <manson@cygnus.com>
Copyright 2009-2022 Free Software Foundation Inc. Doug Kwan <dougkwan@google.com>
Copyright 1999-2022 Free Software Foundation Inc. Contributed by Timothy Wall (twall@cygnus.com)
Copyright 2003 Cosmin Truta
Copyright 2000-2022 Free Software Foundation Inc. Contributed by Alexandre Oliva <aoliva@redhat.com>
Copyright 1999-2014 Free Software Foundation Inc. Written by Tom Tromey <tromey@cygnus.com>
Copyright 2014-2022 Free Software Foundation Inc. Contributed by Dimitar Dimitrov <dimitar@linux.eu> Based on tc-nios2
Copyright 2015-2022 Free Software Foundation Inc. Written by Cary Coutant <ccoutant@google.com>. Modified by H.J. Lu <hongjiu.lu@intel.com>
Copyright 1990-2022 Free Software Foundation Inc. Written by Cygnus Support. Probably John Gilmore's fault
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Peter Gavin pgavin@gmail.com Modified by Andrey Bacherov avbacherov@opencores.org
Copyright 1996-2022 Free Software Foundation Inc. Written by J.T. Conklin Cygnus Support
Copyright 1999-2022 Free Software Foundation Inc. Written by Timothy Wall (twall@cygnus.com)
Copyright 1983 Regents of the University of California. msgstr ku Uburenganzira bw'umuhimbyi Bya
Copyright 2014-2015 Google Inc. contributed by Alexey Sokolov <sokolov@google.com>
Copyright 1997, 2008 Joel Sherrill <joel@OARcorp.com>
Copyright 1996-2022 Free Software Foundation Inc. Contributed by Richard Henderson <rth@tamu.edu> patterned after the PPC opcode table written by Ian Lance Taylor
Copyright 1990-2022 Free Software Foundation Inc. Hacked by Steve Chamberlain of Cygnus Support
Copyright 2008 Ed Schouten <ed@FreeBSD.org>
Copyright 2008-2013 Free Software Foundation Inc. Contributed by Jon Beniston <jon@beniston.com>
Copyright 2010-2017 Free Software Foundation Inc. Written by Peter Rosin <peda@lysator.liu.se>
Copyright 1995-2017 Free Software Foundation Inc. written by Ulrich Drepper <drepper@gnu.ai.mit.edu> June
Copyright 2009-2022 Free Software Foundation Inc. Written by Sriraman Tallam <tmsriram@google.com>. Modified by Rahul Chaudhry <rahulchaudhry@google.com>
Copyright 1996 L. Peter Deutsch and Jean-Loup Gailly
Copyright 2005-2022 Free Software Foundation Inc. Contributed by Analog Devices Inc
Copyright 2003-2022 Free Software Foundation Inc. Written by Ian Lance Taylor <ian@wasabisystems.com>
Copyright 1983 Regents of the University of California. msgstr Diasaskan pada BSD gprof hakcipta
Copyright 2000-2022 Free Software Foundation Inc. Contributed by Axis Communications AB. Written by Hans-Peter Nilsson
Copyright 2003-2022 Free Software Foundation Inc. Contributed by Bob Wilson (bwilson@tensilica.com) at Tensilica
Copyright 2009-2022 Free Software Foundation Inc. Written by Anthony Green <green@moxielogic.com>
Copyright 1991-2022 Free Software Foundation Inc. Written by Fred Fish
Copyright 1997-2022 Free Software Foundation Inc. Written by Ian Lance Taylor Cygnus Support. Rewritten by Kai Tietz Onevision
Copyright 2008-2022 Free Software Foundation Inc. Written by FTDI
Copyright 1997-2022 Free Software Foundation Inc. Written by Martin Hunt (hunt@cygnus.com) Cygnus Solutions
Copyright 2016 Krzesimir Nowak <qdlacz@gmail.com>
Copyright 1983 Regenten der University of California
Copyright 1996-2022 Free Software Foundation Inc. Contributed by Richard Henderson <rth@cygnus.com> patterned after the PPC opcode handling written by Ian Lance Taylor

Copyright 1990-2022 Free Software Foundation Inc. Original
Copyright 1996-2022 Free Software Foundation Inc. Written by Martin Hunt Cygnus Support
Copyright 2006-2022 Free Software Foundation Inc. Written by Carlos O'Donell <carlos@codesourcery.com>
Copyright 1990-2022 Free Software Foundation Inc. Written by Cygnus Support. Mostly Gumbo Henkel-Wallace's fault
Copyright 2002-2004 Dmitry Anisimkov -- -- -- -- Open source license information is in the zlib.ads file. --
Copyright 2000-2022 Free Software Foundation Inc. Contributed by Axis Communications AB. Written by Hans-Peter Nilsson based on elf32-fr30
Copyright 2008-2010, 2012 Free Software Foundation Contributed by Janis Johnson <janis187@us.ibm.com>
Copyright 2000-2022 Free Software Foundation Inc. Contributed by Carl B. Pedersen and Martin Schwidefsky
Copyright 1989-2022 Free Software Foundation Inc. Written by James Clark (jjc@jclark.uucp) Rewritten by Fred Fish (fnf@cygnus.com) for ARM and Lucid demangling
Copyright 2014-2022 Free Software Foundation Inc. Written by Iain Buclaw (ibuclaw@gdcproject.org)
Copyright 1993 Sun Microsystems Inc
Copyright 2005-2022 Free Software Foundation Inc. Contributed by Analog Devices Inc. and Stephane Carrez
Copyright 1988-2022 Free Software Foundation Inc. Written by Minh Tran-Le <TRANLE@INTELLICORP.COM>. Converted to back end form by Ian Lance Taylor <ian@cygnus.com>
Copyright 1997 Borland Corp. and is based on zlib
Copyright 2005-2022 Free Software Foundation Inc. Written by Ian Lance Taylor <ian@airs.com>
Copyright 2003 Cosmin Truta. Derived from original sources by Bob Dellaca
Copyright 2001 Daniel Eischen <deischen@FreeBSD.org>
Copyright 1996-2022 Free Software Foundation Inc. Written by Fred Fish (fnf@cygnus.com) from pieces of gdbserver
Copyright 2012 Zack Weinberg <zackw@panix.com>
Copyright 2021 Free Software Foundation Inc. There is NO warranty. You may redistribute this software under the terms of the GNU General Public License.
Copyright 1983 Regents of the University of California. msgstr Berdasarkan BSD gprof
Copyright 1993-2022 Free Software Foundation Inc. Contributed by Matt Thomas <matt@3am-software.com>
Copyright 1999-2022 Free Software Foundation Inc. Written by Sean Keys (skeys@ipdatasys.com)
Copyright 1995-2022 Free Software Foundation Inc. Written by Ian Lance Taylor <ian@cygnus.com> Cygnus Support
Copyright Jean-loup Gailly Osmo Ahtela <Osmo.Ahtela@hut.fi>
Copyright 1996-2022 Free Software Foundation Inc. Written by Jeff Law Cygnus Support
Copyright (C) 1997-2001 2003-2005 2007 2009-2021 Free Software Foundation Inc.
Copyright 2001 Mike Barcroft <mike@FreeBSD.org>
Copyright 2004 National Semiconductor Corp
Copyright 2006-2022 Free Software Foundation Inc. Written by Ian Lance Taylor <iant@google.com>
Copyright 1995-2017 Jean-Loup Gailly Mark Adler. OS
Copyright 1988-2022 Free Software Foundation Inc. Written by John Gilmore of Cygnus Support
Copyright 1999, 2002-2003 years to include
Copyright 2008-2022 Free Software Foundation Inc. Contributed by M Ranga Swami Reddy <MR.Swami.Reddy@nsc.com>
Copyright 1997 Christian Michelsen Research AS Advanced Computing
Copyright 1999-2000 Konstantin Chuguev
Copyright 1997-2022 Free Software Foundation Inc. Contributed by Ulrich Lauther <Ulrich.Lauther@mchp.siemens.de>
Copyright 2013 Linaro Ltd
Copyright 1999-2002 Stephane Carrez (stcarrez@nerim.fr)
Copyright 2013-2022 Free Software Foundation Inc. Contributed by Mentor Graphics
Copyright 2001-2022 Free Software Foundation Inc. Written by Hans-Peter Nilsson (hp@bitrange.com). Infrastructure and other bits originally copied from srec
Copyright 1993-2022 Free Software Foundation Inc. Contributed by the OSF and Ralph Campbell. Written by Keith Knowles and Ralph Campbell working independently
Copyright 2010 CodeSourcery Inc
Copyright 1994-2022 Free Software Foundation Inc. Contributed by Richard Earnshaw (rwe@pegasus.esprit.ec.org) Modified by David Taylor (dtaylor@armltd.co.uk)
Copyright 1997 Borland Corp
Copyright 1995-2022 Free Software Foundation Inc. Contributed by Cygnus Solutions
Copyright 1989-2020 Free Software Foundation Inc. .if
Copyright 2002-2022 Free Software Foundation Inc. Hacked by Kuang Hwa Lin <kuang@sbcglobal.net>
Copyright 1993-2022 Free Software Foundation Inc. Modified from coff-mips
Copyright 1998-2022 Free Software Foundation Inc. Written by Jouke Numan <jnuman@hiscom.nl>
Copyright 2010-2022 Free Software Foundation Inc. Written by Tristan Gingold <gingold@adacore.com> AdaCore

Copyright 2008 Michael Paul Bailey <jinxidoru@byu.net>
Copyright 2006-2022 Free Software Foundation Inc. Contributed by KPIT Cummins Infosystems
Copyright 2008-2022 Free Software Foundation Inc. Contributed by FTDI <support@ftdichip.com>
Copyright 1987-2022 Free Software Foundation Inc. Contributed by Lynx Real-Time Systems Inc. Los Gatos CA
Copyright 1983 Regents of the University of California. msgstr BSD gprof baz alnmtr Telif Hakk
Copyright 2015 Paul Norman <penorman@mac.com>
Copyright 2013 Roy Stogner <roystgnr@ices.utexas.edu>
Copyright 2014-2022 Free Software Foundation Inc. Contributed by Dimitar Dimitrov <dimitar@linux.eu> Based on elf32-nios2
Copyright 1983, 1987, 1990, 2014 Regents of the University of California
Copyright 2014-2022 Free Software Foundation Inc. Contributed by Dimitar Dimitrov <dimitar@linux.eu>
Copyright 2007-2022 Free Software Foundation Inc. Copied from the gcc testsuite where the test was contributed by Mark Mitchell
<mark@codesourcery.com>
Copyright 1999 Citrus Project
Copyright 1994-2022 Free Software Foundation Inc. Written by Ken Raeburn <raeburn@cygnus.com>
Copyright 2008-2022 Free Software Foundation Inc. Contributed by Chao-ying Fu MIPS Technologies Inc
Copyright 2009-2022 Free Software Foundation Inc. Written by Rafael Avila de Espindola <rafael.espindola@gmail.com>
Copyright 1993, 2000, 2002-2004, 2006, 2010, 2013-2015, 2020 year to
Copyright 1995 Jiri Gaisler
Copyright 1996-2018 Free Software Foundation Inc. Taken from GNU libtool
Copyright 1998-2022 Free Software Foundation Inc. Written by DJ Delorie dj@cygnus.com
Copyright 2005 Innovative Computing Labs Computer Science Department
Copyright 1998-2010 Gilles Vollant Even Rouault Mathias Svensson
Copyright 1992-2022 Free Software Foundation Inc. Contributed by Cygnus Support. Written by John Gilmore
Copyright 1998-2022 Free Software Foundation Inc. Contributed by Daniel Berlin (dan@cgsoftware.com)
Copyright 1994-2022 Free Software Foundation Inc. Contributed by Richard Earnshaw (rwe@pegasus.esprit.ec.org) Modification by
James G. Smith (jsmith@cygnus.co.uk)
Copyright 1999-2022 Free Software Foundation Inc. Contributed by Denis Chertykov <denisc@overta.ru>
Copyright 2005-2022 Free Software Foundation Inc. Contributed by RedHat
Copyright 1997 John D. Polstra
Copyright 2003 Altera Corp
Copyright 1989-2022 Free Software Foundation Inc. Contributed by Nobuyuki Hikichi(hikichi@sra.co.jp)
Copyright 1996-2022 Free Software Foundation Inc. Written by Michael Meissner Cygnus Support <meissner@cygnus.com>
Copyright (C) 2001-2003 2006-2021 Free Software Foundation Inc. Written by Bruno Haible <haible@clisp.cons.org>
Copyright 2014 Free Software Foundation Inc. msgstr
Copyright 1998-2022 Free Software Foundation Inc. Contributed by Andrew Cagney and Cygnus Solutions
Copyright 1998-2022 Free Software Foundation Inc. Contributed by Cygnus Solutions & Renesas
Copyright 1983 Regents of the University of California. msgstr BSD gprof
Copyright 2010-2022 Free Software Foundation Inc. Viktor Kutuzov <vkutuzov@accesssoftef.com>
Copyright 1999-2021 Free Software Foundation Inc. Written by Bruno Haible <bruno@clisp.org>
Copyright 1993-2022 Free Software Foundation Inc. The structure of
Copyright 2009-2022 Free Software Foundation Inc. Written by Mikolaj Zalewski <mikolajz@google.com>
Copyright 2008-2022 Free Software Foundation Inc. Written by Anthony Green
Copyright 1996-2001, 2003-2009 Free Software Foundation Inc. Written by Gordon Matzigkeit
Copyright 2010-2022 Free Software Foundation Inc. Contributed by Joseph Myers <joseph@codesourcery.com> Bernd Schmidt
<bernds@codesourcery.com>
Copyright 1983 Regents of the University of California. msgstr Basato su gprof di BSD
Copyright 2021 Free Software Foundation Inc. print License GPLv3
Copyright 2000-2022 Free Software Foundation Inc. Contributed by Axis Communications AB Lund Sweden. Originally written for GAS
Copyright 2011-2022 Free Software Foundation Inc. Copied from the gcc configury where the test was contributed by H.J. Lu
<hongjiu.lu@intel.com>
Copyright 1999-2022 Free Software Foundation Inc. Written by Bob Manson of Cygnus Solutions <manson@cygnus.com>
Copyright 2005-2021 Free Software Foundation Inc. Written by Simon Josefsson
Copyright 1998 Andreas R. Kleinert
Copyright 1998-2021 Free Software Foundation dnl Inc. dnl
Copyright 1983 Regents of the University of California. msgstr Basado en gprof de BSD
Copyright 2009-2022 Free Software Foundation Inc. Written by Doug Kwan <dougkwan@google.com> based on the
Copyright 1986-2022 Free Software Foundation Inc. Derived from coffread
Copyright 1995-2022 Free Software Foundation Inc. Written by Ken Raeburn and Ian Lance Taylor Cygnus Support

Copyright 2000-2022 Free Software Foundation Inc. Contributed by Zack Weinberg <zackw@stanford.edu>
Copyright 2000-2019 Free Software Foundation Inc. Contributed for OR32 by Johan Rydberg jrydberg@opencores.org Modified by Julius Baxter juliusbaxter@gmail.com
Copyright 1991-2022 Free Software Foundation Inc. Written by Steve Chamberlain sac@cygnus.com
Copyright 1994-1998, 2002 Andrew Cagney <cagney@highland.com.au>
Copyright 1994-2009 Red Hat Inc
Copyright 1990-2022 Free Software Foundation Inc. Written by Steve Chamberlain of Cygnus Support <sac@cygnus.com>
Copyright 2011-2022 Free Software Foundation Inc. Written by Senthil Kumar Selvaraj Atmel
Copyright 1989-2020 the Free Software Foundation Inc. .SH DESCRIPTION Many programs read input from the user
Copyright 2014 Free Software Foundation Inc. msgstr
Copyright 1993-2022 Free Software Foundation Inc. Written by Stu Grossman of Cygnus Support
Copyright 2017-2022 Free Software Foundation Inc. Written by Stephen Crane <sjc@immunant.com>
Copyright 2014-2022 Free Software Foundation Inc. Written by Ian Lance Taylor <iant@google.com>. Modified by H.J. Lu <hongjiu.lu@intel.com>
Copyright 2009-2022 Free Software Foundation Inc. Written by Sriraman Tallam <tmsriram@google.com>
Copyright 2005, 2017 Free Software Foundation Inc. msgstr Telif Hakk
Copyright 1991-2022 Free Software Foundation Inc. Contributed by Steve Chamberlain <sac@cygnus.com>
Copyright 2009-2022 Free Software Foundation Inc. Free Software Foundation Inc
Copyright 2006, 2011-2013 Oracle and or its affiliates
Copyright 2000-2001 Alexey Zelkin <phantom@FreeBSD.org>
Copyright 2016-2022 Free Software Foundation Inc. Written by David Tolnay (dtolnay@gmail.com). Rewritten by Eduard-Mihai Burtescu (eddyb@lyken.rs) for
Copyright 1995 Alex Tatmanjants <alex@elvisti.kiev.ua> at Electronni Visti IA Kiev Ukraine
Copyright 2022 Free Software Foundation Inc. gdbserver is free software covered by the GNU General Public License
Copyright 2001-2016 Free Software Foundation Inc. Christian Rose <menthos@menthos.com>
Copyright 1993-2002 Juergen Weigert (jnweiger@immd4.informatik.uni-erlangen.de) Michael Schroeder (mlschroe@immd4.informatik.uni-erlangen.de)
Copyright 1983 Regents of the University of California. msgstr Baseret
Copyright 2002-2022 Free Software Foundation Inc. Written by Zack Weinberg <zack@codesourcery.com>
Copyright 2007-2022 Free Software Foundation Inc. Contributed by M R Swami Reddy <MR.Swami.Reddy@nsc.com>
Copyright 2001, 2004 to include
Copyright 1989-1990 Advanced Micro Devices Inc
Copyright 1983 Reggenti dell'Universit della California
Copyright 2010 Doug Evans
Copyright 1998-2022 Free Software Foundation Inc. Contributed by Red Hat
Copyright 2002, 2007-2008, 2010-2011, 2014, 2018-2022 Free Software Foundation Inc. msgstr
Copyright 1995-1999 Free Software Foundation Inc. Contributed by Ulrich Drepper <drepper@gnu.ai.mit.edu>
Copyright 1998 Bob Dellaca
Copyright 2012-2022 Free Software Foundation Inc. Contributed by Peter Brookes (pbrookes@altera.com) and Andrew Draper (adraper@altera.com)
Copyright 1995-2017 Jean-loup Gailly and Mark Adler
Copyright 2006-2022 Free Software Foundation Inc. Contributed by Brain.lin (brain.lin@sunplusct.com)
Copyright 2005-2018 Free Software Foundation Inc. Contributed by IBM Corp. Author Mike Cowlishaw
Copyright 1999-2022 Free Software Foundation Inc. Contributed by Stephane Carrez (stcarrez@nerim.fr)
Copyright 1996-2022 Free Software Foundation Inc. Ian Lance Taylor Cygnus Support Linker support added by Mark Mitchell CodeSourcery LLC
Copyright 1991-2022 Free Software Foundation Inc. Written by Steve Chamberlain <sac@cygnus.com>
Copyright 2021-2022 Free Software Foundation Inc. Contributed by Oracle
Copyright 1990-2022 Free Software Foundation Inc. Written by Bryan Ford of the University of Utah
Copyright 1988-2022 Free Software Foundation Inc. Contributed by C-SKY Microsystems and Mentor Graphics
Copyright 1991-2022 Free Software Foundation Inc. Written by Steve Chamberlain of Cygnus Support (steve@cygnus.com)
Copyright 2006 MIPS Technologies Inc
Copyright 1991 the Massachusetts Institute of Technology
Copyright 1999-2022 Free Software Foundation Inc. Contributed by Steve Chamberlain of Transmeta (sac@pobox.com)
Copyright 1994 X Consortium
Copyright 1993-2022 Free Software Foundation Inc. Written by Cygnus Support Modified by J.Gaisler ESA ESTEC
Copyright 2010-2022 Free Software Foundation Inc. Written by Rainer Orth <ro@CeBiTec.Uni-Bielefeld.DE>

Copyright (C) 2000-2002 2006 2008-2014 2016 2019-2021 Free Software dnl Foundation Inc. dnl This file is free software the Free Software Foundation

Copyright 2005-2022 Free Software Foundation Inc. Contributed by Imagination Technologies Ltd. Written by Andrew Bennett <andrew.bennett@imgtec.com>

Copyright 2014-2022 Free Software Foundation Inc. Contributed by Manuel Lopez-Ibanez

gdb version 8.2

<<<<<<<<xilinx-separator>>>>>>>>>

The text of the GNU General Public License, Version 3 (June 2007), a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

Copyright 1984-2017 Free Software Foundation Inc.

Copyright 1996-1997 Andrey A. Chernov Moscow Russia

Copyright 1998-1999 Cygnus Solutions

Copyright (c) 1998 M. Warner Losh <imp@freebsd.org> All rights reserved.

Copyright 2008-2012 Synopsys Inc.

Copyright 2001 Hans-Peter Nilsson

Copyright 1998-2010 Gilles Vollant

Copyright (c) 1997 99 Borland Corporation

Copyright 1995-2010 Jean-loup Gailly Brian Raiter and Gilles Vollant

Copyright 1987 Oliver Laumann

copyright 1983 Regents of the University of California. msgstr BSD gprof

Copyright (c) 1995 Alex Tatmanjants <alex@elvisti.kiev.ua> at Electronni Visti IA Kiev Ukraine. All rights reserved.

Copyright (c) 2003 Altera Corporation All rights reserved.

Copyright 1986 HEWLETT-PACKARD Co

Copyright (C) 1995 2000-2003 Software Foundation Inc.

Copyright (c) 2015 Paul Norman <penorman@mac.com>

Copyright (C) 2010 Doug Evans.

Copyright 1991, 1993 DJ Delorie

Copyright 1990-1992 MIPS Computer Systems Inc. MIPS Computer Systems Inc. grants reproduction and

copyright 1983 Regents de l'Universit de Californie.

Copyright 1995-2017 Jean-loup Gailly

Copyright (C) 1995-2017 Jean-Loup Gailly Mark Adler. OS

Copyright (C) 1998 by Andreas R. Kleinert

Copyright 1994-1998, 2003-2004 Andrew Cagney

Copyright (C) 1995-1996 Jean-loup Gailly Brian Raiter and Gilles Vollant. File written by Gilles Vollant by converting match686.S from Brian Raiter for MASM. This is as assembly version of longest

Copyright 1998-2010 Gilles Vollant -

copyright 1983 Regents of the University of California. msgstr Perustuu BSD

Copyright 2013 Linaro Ltd.

copyright 1983 Regents of the University of California. msgstr ku Uburenganzira bw'umuhimbyi Bya

Copyright 2004 Per Bothner <per@bothner.com>

Copyright 2011 Adapteva Inc

(C) Copyright IBM Corp. 2005 2006

Copyright (c) 2013 Roy Stogner <roystgnr@ices.utexas.edu>

(C) Copyright 2009 Anthony Green

Copyright 1995-2017 Mark Adler

Copyright 1995-1997 Ulrich Drepper <drepper@gnu.ai.mit.edu>

copyright 1983 Regents of the University of California. msgstr Bas sur BSD gprof

Copyright (c) 2009 ARM Ltd All rights reserved.

Copyright 2009-2010 Mathias Svensson

Copyright (c) 2001 Christopher G. Demetriou All rights reserved.

Copyright 1998-2000 Jacques Nomssi Nzali

Copyright (C) 1998 by Bob Dellaca.

copyright 1983 Regents of the University of California. msgstr Bazat pe BSD gprof

Copyright (C) 2004 1999 Per Bothner
Copyright (c) 2014 2015 Google Inc. contributed by Alexey Sokolov <sokolov@google.com>
Copyright 2003 Chris Anderson <christop@charm.net> Please
copyright 1983 - Reggenti dell'Universit della California.
Copyright 1992 1993 1994 Henry Spencer. All rights reserved. This software is not subject to any license of the American Telephone and Telegraph Company or of the Regents of the University of California.
Copyright (C) 1994 X Consortium
Copyright (c)1999 Citrus Project All rights reserved.
(C) Copyright 2001 2006 International Business Machines Corporation Sony Computer Entertainment Incorporated
Copyright (C) 1995-2017 Jean-loup Gailly detect
Copyright 2007-2008 Even Rouault
copyright 1983 Regents of the University of California. msgstr Surbaze de BSD gprof kopirajto
Copyright (c) 1990-2000 Info-ZIP. All rights reserved.
Copyright (c) 2000 2001 Alexey Zelkin <phantom@FreeBSD.org> All rights reserved.
copyright Jiri Gaisler 1995
copyright 1983 Regents of the University of California. msgstr Basato su gprof di BSD
copyright 1983 Regenten der University of California.
Copyright 1994, 2000 Advanced RISC Machines Ltd
Copyright 1995-2016 Jean-loup Gailly Mark Adler
Copyright (C) 2003 Cosmin Truta. Derived from original sources by Bob Dellaca. For conditions of distribution and use see
copyright 1983 Regents of the University of California. msgstr Diasaskan pada BSD gprof hakcipta
Copyright (c) 2001 Mike Barcroft <mike@FreeBSD.org> All rights reserved.
Copyright 1983 Regents of the University of California. msgstr A BSD gprof alapjn
Copyright (c) 2004 2005 Mark Adler. --
Copyright 2004 Per Bothner <per@bothner.com> Based on config.
(c) 2001 by Dimitris Vyzovitis
Copyright 1981-2002, 2014 The Regents of the University of California
Copyright (c) 1998 Todd C. Miller <Todd.Miller@courtesan.com> All rights reserved.
Copyright (c) 1997-2002 FreeBSD Project. All rights reserved.
Copyright 1998, 2007 Brian Raiter <breadbox@muppetlabs.com>
Copyright (c) 2015 Moritz Klammler <moritz@klammler.eu>
Copyright (c) 2010 CodeSourcery Inc. All rights reserved.
Copyright 1996 L. Peter Deutsch
copyright 1983 Regents of the University of California. msgstr Basierend auf BSD gprof
Copyright 1987-1991, 1993 Carnegie Mellon University
Copyright (c) 1993 Intel Corporation
Copyright (C) 1999 2000 2001 2002 Stephane Carrez (stcarrez@nerim.fr)
Copyright 1997-1999, 2006, 2008-2009, 2011-2012 Analog Devices Inc
Copyright 2004 Henrik Ravn
Copyright 1992 MetaWare Inc
Copyright (c) 1997 Christian Michelsen Research AS Advanced Computing
Copyright 2004, 2009 Xilinx Inc
Copyright 1984 Third Eye Software Inc
Copyright 2003 Cosmin Truta
copyright 1983 Regents of the University of California. msgstr Basado en gprof de BSD
Copyright (C) 1998 - 2010 Gilles Vollant Even Rouault Mathias Svensson
copyright 1983 Regents of the University of California. msgstr Berdasarkan BSD gprof
Copyright (c) 1997 99 Borland Corp. and is based on zlib version
Copyright 1997, 2008 Joel Sherrill <joel@OARcorp.com>
copyright 1983 Regents of the University of California. msgstr Da vo phn mm gprof ca BSD
Copyright (C) 1996 Cygnus Software Technologies Ltd.
Copyright 2002-2004 Dmitry Anisimkov -- -- -- -- Open source license information is in the zlib.ads file. --
Copyright (c) 1996 L. Peter Deutsch and Jean-Loup Gailly
Copyright 1993 Sun Microsystems Inc
Copyright (c) 1991 by AT&T.
Copyright (c) 1984 2000 S.L. Moshier
Copyright (c) 2001 Daniel Eischen <deischen@FreeBSD.org>. All rights reserved.

Copyright (C) 2006 2008 2015 Sharuzzaman Ahmat Raslan This file is distributed under the same license as the binutils package.
Sharuzzaman Ahmat Raslan <sharuzzaman@gmail.com>
Copyright 2004 National Semiconductor Corp
copyright 1983 Regents of the University of California. msgstr Bunaithe ar gprof BSD
Copyright (C) 1998-2001 by Lucent Technologies All Rights Reserved
Copyright (c) 1999 2000 Konstantin Chuguev. All rights reserved.
Copyright 1991 by the Massachusetts Institute of Technology
Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler .LP This software is provided
Copyright 1983, 1987, 1990, 2014 Regents of the University of California
Copyright (c) 2003 Artem B. Bityuckiy SoftMine Corporation. Rights transferred to Franklin Electronic Publishers.
Copyright (C) 1994 Advanced RISC Machines Ltd. Modifications to add arch.
copyright 1983 Regents of the University of California. msgstr Baseado no BSD gprof
Copyright 1997 John D. Polstra
Copyright 2002 SuperH Inc. All rights reserved
copyright 1993 1994 by International Business Machines Corporation.
Copyright (c) 2008 Benjamin Kosnik <bkoz@redhat.com>
Copyright (c) 1990 1994 The University of Utah and the Computer Systems Laboratory
Copyright 1994-1998, 2002 Andrew Cagney <cagney@highland.com.au>
Copyright 1994-2009 Red Hat Inc
Copyright (C) 1999 Jeff Solomon
SMakefile for zlib Modified from the standard UNIX Makefile Copyright Jean-loup Gailly Osmah Ahvenlampi <Osmah.Ahvenlampi@hut.fi>
Amiga SAS C 6.56 & Smake
Copyright (c) 2012 Zack Weinberg <zackw@panix.com>
copyright 1983 Regents of the University of California. msgstr BSD gprof Regents of the University of California
Copyright 1993-2002 Juergen Weigert (jnweiger@immd4.informatik.uni-erlangen.de) Michael Schroeder
(mlschroe@immd4.informatik.uni-erlangen.de)
copyright 1983 Regents of the University of California. msgstr BSD gprof baz alnmtr. BSD gprof Telif Hakk
Copyright 1989-1990 Advanced Micro Devices Inc
Copyright 2004 Scott James Remnant <scott@netsplit.com>.
Copyright (C) 1996 Xavier Leroy (Xavier.Leroy@inria.fr)
Copyright (C) 2006 MIPS Technologies Inc. All rights reserved. Contributed by Chao-ying Fu (fu@mips.com).
Copyright 1995-2017 Jean-loup Gailly and Mark Adler
Copyright (C) 2002-2004 Dmitriy Anisimkov -- -- -- -- This library is free software you can redistribute it and or modify --
Copyright (c) 1999 Kungliga Tekniska Hogskolan
Copyright (c) 2008 Ed Schouten <ed@FreeBSD.org> All rights reserved.
Copyright (c) 1996-2010 Texas Instruments Incorporated http www.ti.com
copyright 1983 Regents of the University of California. msgstr Gebaseerd op BSD gprof

gdb version 9.2

<<<<<<<<xilinx-separator>>>>>>>>>

The text of the GNU General Public License, Version 3 (June 2007), a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).


```
>>> doc license
@c The GNU Free Documentation License.
@center Version 1.3, 3 November 2008

@c This file is intended to be included within another document,
@c hence no sectioning command or @node.

@display
Copyright @copyright{} 2000, 2001, 2002, 2007, 2008 Free Software Foundation, Inc.
@uref{http://fsf.org/}
```

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

```
@end display
```

```
@enumerate 0
@item
PREAMBLE
```

The purpose of this License is to make a manual, textbook, or other
functional and useful document @dfn{free} in the sense of freedom: to
assure everyone the effective freedom to copy and redistribute it,
with or without modifying it, either commercially or noncommercially.
Secondarily, this License preserves for the author and publisher a way
to get credit for their work, while not being considered responsible
for modifications made by others.

This License is a kind of ``copyleft'', which means that derivative
works of the document must themselves be free in the same sense. It
complements the GNU General Public License, which is a copyleft
license designed for free software.

We have designed this License in order to use it for manuals for free
software, because free software needs free documentation: a free
program should come with manuals providing the same freedoms that the
software does. But this License is not limited to software manuals;
it can be used for any textual work, regardless of subject matter or
whether it is published as a printed book. We recommend this License
principally for works whose purpose is instruction or reference.

```
>>>>
<!-- Copyright (C) 2010-2020 Free Software Foundation, Inc.
```

```
    Copying and distribution of this file, with or without modification,
    are permitted in any medium without royalty provided the copyright
    notice and this notice are preserved. -->
```

```
>>>> libberty
/* Internal demangler interface for the Rust programming language.
   Copyright (C) 2016-2019 Free Software Foundation, Inc.
   Written by David Tolnay (dtolnay@gmail.com).
```

This file is part of the libberty library.
Libberty is free software; you can redistribute it and/or
modify it under the terms of the GNU Library General Public
License as published by the Free Software Foundation; either

version 2 of the License, or (at your option) any later version.

In addition to the permissions in the GNU Library General Public License, the Free Software Foundation gives you unlimited permission to link the compiled version of this file into combinations with other programs, and to distribute those combinations without any restriction coming from the use of this file. (The Library Public License restrictions do apply in other respects; for example, they cover modification of the file, and distribution when not linked into a combined executable.)

Libiberty is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

You should have received a copy of the GNU Library General Public License along with libiberty; see the file COPYING.LIB.
If not, see <<http://www.gnu.org/licenses/>>. */

Copyright 1992-2019 Free Software Foundation Inc. Contributed by Cygnus Support. Written by Steve Chamberlain <sac@cygnus.com>
Copyright (C) 2001-2002 2004-2016 Free Software Foundation Inc. Written by Paul Eggert Bruno Haible Sam Steingold Peter Burwood.
This file is part of gnulib.
Copyright 1998-2020 Free Software Foundation Inc. Contributed by Andrew Cagney and Cygnus Support
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Jan Hubicka <jh@suse.cz>
Copyright (C) 1989-2019 Free Software Foundation Inc. Contributed by Nobuyuki Hikichi(hikichi@sra.co.jp).
Copyright (C) 2009-2019 Free Software Foundation Inc. Doug Kwan <dougkwan@google.com>.
Copyright 1996-1997 Andrey A. Chernov Moscow Russia
Copyright 1998-1999 Cygnus Solutions
Copyright 2014 Free Software Foundation Inc. msgstr
Copyright 2007-2019 Free Software Foundation Inc. Contributed by M R Swami Reddy
Copyright 1983 Regents of the University of California. msgstr Bazat pe BSD gprof
Copyright 2010-2019 Free Software Foundation Inc. Written by Viktor Kutuzov <vkutuzov@accesssoftekt.com>
Copyright (C) 2003-2019 Free Software Foundation Inc. Contributed by Bob Wilson (bwilson@tensilica.com) at Tensilica.
Copyright 1992 Free Software Foundation Inc. Written By David Vinayak Henkel-Wallace June
Copyright 1996-2019 Free Software Foundation Inc. Written by Jeff Law Cygnus Support
Copyright 1994-2019 Free Software Foundation Inc. Contributed by Ian Lance Taylor Cygnus Support
Copyright 2008-2020 Free Software Foundation Inc. Contributed by M Ranga Swami Reddy <MR.Swami.Reddy@nsc.com>
Copyright 1997-2020 Free Software Foundation Inc. Derived from sim-main
Copyright 1998-2019 Free Software Foundation Inc. Contributed by Daniel Berlin (dan@cgsoftware.com)
Copyright 2001 Hans-Peter Nilsson
Copyright 1998-2010 Gilles Vollant
Copyright 1993-1994 International Business Machines Corp
Copyright 2008-2020 Free Software Foundation Inc. Written by FTDI
Copyright 1995-2017 Jean-loup Gailly detect
Copyright (C) 1999-2019 Free Software Foundation Inc. Written by Bob Manson Cygnus Solutions <manson@cygnus.com>
Copyright 1995-2010 Jean-loup Gailly Brian Raiter and Gilles Vollant
Copyright (C) 2009-2019 Free Software Foundation Inc. Contributed by Rafael Espindola <espindola@google.com>
Copyright 2009 ARM Ltd
Copyright 1999-2020 Free Software Foundation Inc. Written by Nick Duffek <nsd@redhat.com>
Copyright (C) 1993-2019 Free Software Foundation Inc. Contributed by Cygnus Support. Written by Ian Lance Taylor <ian@cygnus.com>.
Copyright 2011 Daniel Richard G. <skunk@iSKUNK.ORG>
Copyright 2002-2020 Free Software Foundation Inc. Contributed by matthew green (mrg@redhat.com)
Copyright 1987 Oliver Laumann
Copyright (C) 2001-2019 Free Software Foundation Inc. Written by Tom Rix Contributed by Red Hat Inc.

Copyright 2002, 2005, 2007-2008, 2010-2011, 2014, 2018-2019 Free Software Foundation Inc. msgstr
Copyright (C) 2009-2018 Free Software Foundation Inc. Written by Joshua Oreman <oremanj@hudson-trading.com> based on icf
Copyright (C) 2001-2019 Free Software Foundation Inc. Contributed by Bob Wilson (bob.wilson@acm.org) at Tensilica.
Copyright 1999, 2004 Per Bothner
Copyright 1996-2003 Free Software Foundation Inc. Taken from GNU libtool
Copyright (C) 2007-2019 Free Software Foundation Inc. Contributed by M R Swami Reddy <MR.Swami.Reddy@nsc.com>
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Zack Weinberg <zackw@stanford.edu>
Copyright (C) 1995-2019 Free Software Foundation Inc. Contributed by Pauline Middelink <middelink@polyware.iaf.nl>
Copyright 2009-2019 Free Software Foundation Inc. Written by Rafael Avila de Espindola <espindola@google.com>
Copyright 2009-2019 Free Software Foundation Inc. Written by Doug Kwan <dougkwan@google.com>
Copyright 2016-2019 Free Software Foundation Inc. Written by David Tolnay (dtolnay@gmail.com)
Copyright 1986 HEWLETT-PACKARD Co
Copyright (C) 1991-2019 Free Software Foundation Inc. By Steve Chamberlain <sac@cygnus.com>
Copyright 1983 Regents of the University of California. msgstr
Copyright (C) 1998-2019 Free Software Foundation Inc. Written by DJ Delorie dj@cygnus.com
Copyright 2002-2003 year
Copyright 1991-2019 Free Software Foundation Inc. Written by Steve Chamberlain of Cygnus Support (steve@cygnus.com)
Copyright 2009-2020 Free Software Foundation Inc. Written by Eli Zaretskii
Copyright (C) 1990-2019 Free Software Foundation Inc. Contributed by Ian Dall (idall@eleceng.adelaide.edu.au).
Copyright 1998-2020 Free Software Foundation Inc. Contributed by Cygnus Support and Andrew Cagney
Copyright 1983 Regents of the University of California. msgstr Baseado no BSD gprof
Copyright 1993-2019 Free Software Foundation Inc. Contributed by Matt Thomas <matt@3am-software.com>
Copyright 2013-2020 Free Software Foundation Inc. Contributed by Andrew Bennett (andrew.bennett@imgtec.com)
Copyright 1998-2020 Free Software Foundation Inc. Contributed by Andrew Cagney and Cygnus Solutions
Copyright 1991, 1993 DJ Delorie
Copyright (C) 1996-2019 Free Software Foundation Inc. Contributed by Richard Henderson <rth@tamu.edu> patterned after the PPC
opcode handling written by Ian Lance Taylor.
Copyright 2001, 2006 International Business Machines Corp Sony Computer Entertainment Inc
Copyright 1994-2019 Free Software Foundation Inc. Contributed by Richard Earnshaw (rwe@pegasus.esprit.ec.org) Modified by David
Taylor (dtaylor@armltd.co.uk)
Copyright 2001, 2005 date to
Copyright (C) 1996-2019 Free Software Foundation Inc. Written by Martin Hunt (hunt@cygnus.com) Cygnus Support
Copyright 1983 Regents of the University of California. msgstr Basierend auf BSD gprof
Copyright 1998-2019 Free Software Foundation Inc. Contributed by David Mosberger-Tang <davidm@hpl.hp.com>
Copyright 1991, 1995-1996, 2000, 2008, 2010-2011 to
Copyright 1990-1992 MIPS Computer Systems Inc. MIPS Computer Systems Inc. grants reproduction and
Copyright (C) 1990-2019 Free Software Foundation Inc. Written by Cygnus Support. Probably John Gilmore's fault.
Copyright 2009-2010 Change to
Copyright (C) 2002-2019 Free Software Foundation Inc. Contributed by MontaVista Software Inc.
Copyright 2005-2020 Free Software Foundation Inc. Written by Analog Devices Inc
Copyright 2005-2020 Free Software Foundation Inc. Contributed by Analog Devices
Copyright (C) 2008-2019 Free Software Foundation Inc. Contributed by Chao-ying Fu MIPS Technologies Inc.
Copyright (C) 2010-2019 Free Software Foundation Inc. Contributed by Sean Keys <skeys@ipdatasys.com>
Copyright (C) 2009-2019 Free Software Foundation Inc. Written by Doug Kwan <dougkwan@google.com> based on the
Copyright (C) 1999-2019 Free Software Foundation Inc. Written by Linus Nordberg Swox AB <info@swox.com> based on elf32-ppc.
Copyright 2007-2019 Free Software Foundation Inc. Contributed by M R Swami Reddy (MR.Swami.Reddy@nsc.com)
Copyright 2007-2019 Free Software Foundation Inc. Written by M R Swami Reddy
Copyright 1990-2000 Info-ZIP
Copyright 1995-2017 Jean-loup Gailly
Copyright 2014
Copyright 2010-2019 Free Software Foundation Inc. Contributed by Tristan Gingold <gingold@adacore.com> AdaCore
Copyright 2002-2004 Dmitry Anisimkov -- -- --
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Axis Communications AB Lund Sweden. Originally written for GAS
Copyright 1996-2020 Free Software Foundation Inc. Contributed by Cygnus Solutions and Mike Frysinger
Copyright 2010 header to add year
Copyright 1983 Regents of the University of California. msgstr Surbaze de BSD gprof kopirajto
Copyright 1990, 1994 The University of Utah and the Computer Systems Laboratory
Copyright (C) 1993-2019 Free Software Foundation Inc. Modified from coff-mips.

Copyright 2008-2019 Synopsys Inc
Copyright 1993 Intel Corp
Copyright 1994-1998, 2003-2004 Andrew Cagney
Copyright 1984, 2000 S.L. Moshier
Copyright 2001 Dimitris Vyzovitis
Copyright (C) 1997-2019 Free Software Foundation Inc. Written by Martin Hunt (hunt@cygnus.com) Cygnus Solutions
Copyright (C) 1994-2019 Free Software Foundation Inc. Contributed by Richard Earnshaw (rwe@pegasus.esprit.ec.org) Modification by James G. Smith (jsmith@cygnus.co.uk)
Copyright 1993-2020 Free Software Foundation Inc. .PP
Copyright 1983 Regents of the University of California. msgstr Bas sur BSD gprof
Copyright 2011, 2014 Free Software Foundation Inc. License GPLv3
Copyright 1998-2010 Gilles Vollant -
Copyright 2015-2020 Free Software Foundation Inc. dnl dnl Contributed by Red Hat
Copyright 1990-2018 Free Software Foundation
Copyright 2009-2019 Free Software Foundation Inc. Written by Mikolaj Zalewski <mikolajz@google.com>
Copyright 1993-2019 Free Software Foundation Inc. Written by Ian Lance Taylor Cygnus Support
Copyright 2008 Benjamin Kosnik <bkoz@redhat.com>
Copyright 2005-2020 Free Software Foundation Inc. Contributed by FTDI
Copyright (C) 2000-2019 Free Software Foundation Inc. Contributed by Alexandre Oliva <aoliva@redhat.com>
Copyright 2002-2020 Free Software Foundation Inc. Contributed by Chris Demetriadou of Broadcom Corp
Copyright 2011 Adapteva Inc
Copyright 2002 Free Software Foundation Inc. GDB is free software
Copyright 2002-2020 Free Software Foundation Inc. Contributed by Wasabi Systems Inc
Copyright 2003 Artem B. Bitvuckiy SoftMine Corp. Rights transferred to Franklin Electronic Publishers
Copyright 1996 Xavier Leroy (Xavier.Leroy@inria.fr)
Copyright 1996-2019 Free Software Foundation Inc. Ian Lance Taylor Cygnus Support Linker support added by Mark Mitchell
CodeSourcery LLC
Copyright 1998-2001 Lucent Technologies
Copyright 1996-2019 Free Software Foundation Inc. Contributed by Klaus K
Copyright 2003, 2005 Free Software Foundation Inc. Deniz Akkus Kanca <deniz@arayan.com>
Copyright 2006-2019 Free Software Foundation Inc. Written by Kai Tietz OneVision Software GmbH & Co KG
Copyright (C) 1988-2019 Free Software Foundation Inc. Written by Pace Willisson
Copyright 1986-2020 Free Software Foundation Inc. Derived from coffread
Copyright (C) 2005-2019 Free Software Foundation Inc. Contributed by RedHat.
Copyright 2004 Per Bothner <per@bothner.com> Based on config
Copyright (C) 2014-2019 Free Software Foundation Inc. Written by Iain Buclaw (ibuclaw@gdcproject.org)
Copyright 1996 treaty adopted on
Copyright (C) 2009-2019 Free Software Foundation Inc. Written by Sriraman Tallam <tmsriram@google.com>. Modified by Rahul Chaudhry <rahulchaudhry@google.com>.
Copyright 1990-2019 Free Software Foundation Inc. Original
Copyright 1995-2019 Free Software Foundation Inc. Written by Ian Lance Taylor <ian@cygnus.com> Cygnus Support
Copyright (C) 2002-2019 Free Software Foundation Inc. Hacked by Kuang Hwa Lin <kuang@sbcglobal.net>
Copyright 1995-2017 Jean-loup Gailly and Mark Adler .LP
Copyright 1983 Regents of the University of California. msgstr Bunaithe ar gprof BSD
Copyright (C) 1990-2019 Free Software Foundation Inc. Written by DJ Delorie.
Copyright (C) 2000-2019 Free Software Foundation Inc. Written Clinton Popetz. Contributed by Cygnus Support.
Copyright 1995-2017 Mark Adler
Copyright 2000-2019 Free Software Foundation Inc. Contributed by CodeSourcery LLC
Copyright 1995-1997 Ulrich Drepper <drepper@gnu.ai.mit.edu>
Copyright 2006-2019 Free Software Foundation Inc. Contributed by KPIT Cummins Infosystems
Copyright (C) 1991-2019 Free Software Foundation Inc. Written by Steve Chamberlain <sac@cygnus.com> Linux support by Eric Youngdale <ericy@cais.cais.com>
Copyright (C) 2014-2019 Free Software Foundation Inc. Written by Yury Gribov <y.gribov@samsung.com>
Copyright 1991-2020 Free Software Foundation Inc. Author Roland H. Pesch
Copyright 1995-2016 Free Software Foundation Inc. dnl
Copyright 1998-2020 Free Software Foundation Inc. Contributed by Renesas
Copyright (C) 1999-2019 Free Software Foundation Inc. Written by Bob Manson of Cygnus Solutions <manson@cygnus.com>
Copyright 1999 Kungliga Tekniska Hgskolan

Copyright (C) 2004-2019 Free Software Foundation Inc. Contributed by Tomer Levi NSC Israel. Written by Tomer Levi.
Copyright 2009-2010 Mathias Svensson
Copyright 2017-2019 Free Software Foundation Inc. Contributed by Francois H. Theron <francois.theron@netronome.com>
Copyright (C) 2010-2019 Free Software Foundation Inc. Written by Rainer Orth <ro@CeBiTec.Uni-Bielefeld.DE>
Copyright 2005-2020 Free Software Foundation Inc. dnl Contributed by Red Hat Inc. dnl
Copyright (C) 2000-2019 Free Software Foundation Inc. Contributed Martin Schwidefsky (schwidefsky@de.ibm.com).
Copyright 2004 Per Bothner <per@bothner.com>
Copyright 2013-2020 Free Software Foundation Inc. Contributed by Hui Zhu <hui@codesourcery.com>
Copyright 2005-2020 Free Software Foundation Inc. Contributed by Synopsys Inc
Copyright 2001, 2010, 2018 Free Software Foundation Inc. Daisuke Yamashita <yamad@mb.infoweb.ne.jp>
Copyright (C) 2002-2019 Free Software Foundation Inc. Contributed by Kuang Hwa Lin. Written by Kuang Hwa Lin
Copyright 2005 date reported by --
Copyright (C) 1993-2019 Free Software Foundation Inc. Contributed by Cygnus Support. Put together by Ian Lance Taylor <ian@cygnus.com>.
Copyright 2014-2019 Free Software Foundation Inc. Written by Han Shen <shenhan@google.com> and Jing Yu <jingyu@google.com>
Copyright 1996-2010 Texas Instruments Inc
Copyright (C) 2001-2019 Free Software Foundation Inc. Contributed by Hans-Peter Nilsson <hp@bitrange.com>
Copyright 1998-2000 Jacques Nomssi Nzali
Copyright (C) 2014-2019 Free Software Foundation Inc. Contributed by Dimitar Dimitrov <dimitar@dinux.eu> Based on tc-nios2.
Copyright (C) 1991-2019 Free Software Foundation Inc. Written by Steve Chamberlain <sac@cygnus.com> ELF support by Ian Lance Taylor <ian@cygnus.com>
Copyright (C) 2001-2019 Free Software Foundation Inc. Written by Hans-Peter Nilsson (hp@bitrange.com). Infrastructure and other bits originally copied from srec.
Copyright 2004 Scott James Remnant <scott@netsplit.com>. dnl
Copyright 1991-2016 Free Software
Copyright 2001 Christopher G. Demetriou
Copyright 1990-2019 Free Software Foundation Inc. Written by Mimi Phuong-Thao Vo of IBM and John Gilmore of Cygnus Support
Copyright 2009-2019 Free Software Foundation Inc. Written by Chris Demetriou <cgd@google.com>
Copyright (C) 2011-2019 Free Software Foundation Inc. Copied from the gcc configury where the test was contributed by H.J. Lu <hongjiu.lu@intel.com>.
Copyright (C) 2017-2019 Free Software Foundation Inc. Written by Stephen Crane <sjc@immunant.com>.
Copyright 2005-2020 Free Software Foundation Inc. Contributed by Analog Devices Inc. and Stephane Carrez
Copyright (C) 2000-2019 Free Software Foundation Inc. Contributed by Axis Communications AB. Written by Hans-Peter Nilsson based on elf32-fr30.
Copyright 1999-2019 Free Software Foundation Inc. Contributed by David Mosberger <davidm@hpl.hp.com>
Copyright 1983 Regents of the University of California. msgstr Da vo phn mm gprof ca BSD
Copyright (C) 1995-2019 Free Software Foundation Inc. Written by Ken Raeburn and Ian Lance Taylor Cygnus Support
Copyright 1993-2020 Free Software Foundation Inc. Copying and distribution of
Copyright 2002 SuperH Inc
Copyright 2009-2019 Free Software Foundation Inc. Written by Marcin Kocielnicki <koriakin@0x04.net>
Copyright 2003 Chris Anderson <christop@charm.net> Please
Copyright 1995-1999 Free Software Foundation Inc. Written by Ulrich Drepper <drepper@gnu.org>
Copyright 1998 Todd C. Miller <Todd.Miller@courtesan.com>
Copyright 2020 Free Software Foundation Inc. gdbserver is free software covered by the GNU General Public License
Copyright 2005-2019 Free Software Foundation Inc. Written by Ian Lance Taylor <ian@airs.com>
Copyright (C) 2009-2019 Free Software Foundation Inc. Written by Rafael Avila de Espindola <rafael.espindola@gmail.com>
Copyright 2008-2019 Free Software Foundation Inc. Written by Cary Coutant <ccoutant@gmail.com>
Copyright (C) 1995-2019 Free Software Foundation Inc. Written by Ian Lance Taylor of Cygnus Support <ian@cygnus.com>.
Copyright (C) 1996-2019 Free Software Foundation Inc. Contributed by Richard Henderson <rth@tamu.edu> patterned after the PPC opcode table written by Ian Lance Taylor.
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Mark Mitchell <mark@codesourcery.com>
Copyright 2004-2005, 2007, 2009 Free Software Foundation Inc. Written by Scott James Remnant
Copyright 1991 AT&T
Copyright 1993-2019 Free Software Foundation Inc. Contributed by Ralph Campbell and OSF Commented and modified by Ian Lance Taylor Cygnus Support
Copyright 2002-2020 Free Software Foundation Inc. Based on code contributed by Wasabi Systems Inc
Copyright 2007-2008 Even Rouault
Copyright 1996-2014 Free Software Foundation Inc. Originally written by Francois Pinard <pinard@iro.umontreal.ca>

Copyright 2010-2019 Free Software Foundation Inc. Written by Ian Lance Taylor Google
Copyright 1983 Regents of the University of California. msgstr Based on BSD gprof
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Axis Communications AB Lund Sweden. Written by Hans-Peter Nilsson
Copyright 2004-2005, 2007-2009 Free Software Foundation Inc. Written by Gary V. Vaughan
Copyright 1989-2014 Free Software Foundation Inc. .if
Copyright 1983 Regents of the University of California. msgstr Perustuu BSD
Copyright 2011, 2014 Free Software Foundation Inc. msgid
Copyright 2001-2019 Free Software Foundation Inc. Contributed for OR32 by Johan Rydberg jrydberg@opencores.org
Copyright 2005-2020 Free Software Foundation Inc. Contributed by Nigel Stephens (nigel@mips.com) and David Ung (davidu@mips.com) of MIPS Technologies
Copyright 1994 Advanced RISC Machines Ltd. Modifications to add arch
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Alexandre Oliva <aoliva@cygnus.com>
Copyright 2011 comment line regression by
Copyright 2010-2019 Free Software Foundation Inc. Written by Tristan Gingold <gingold@adacore.com> AdaCore
Copyright (C) 1996-2019 Free Software Foundation Inc. Written by J.T. Conklin Cygnus Support
Copyright 2008-2019 Free Software Foundation Inc. Contributed by Red Hat. Written by DJ Delorie
Copyright 1999-2020 Free Software Foundation Inc. Written by Michael Snyder at Cygnus Solutions. Based on work by Fred Fish Stu Grossman Geoff Noer and others
Copyright 1994, 2000 Advanced RISC Machines Ltd
Copyright 2003-2020 Free Software Foundation Inc. Contributed by Aldy Hernandez (aldyh@redhat.com)
Copyright (C) 2009-2019 Free Software Foundation Inc. Free Software Foundation Inc.
Copyright (C) 1996-2019 Free Software Foundation Inc. By Doug Evans Cygnus Support <dje@cygnus.com>.
Copyright 2012-2015 Dan Nicholson <dbn.lists@gmail.com> dnl dnl
Copyright 2003 Free Software Foundation Inc. Adest fi
Copyright 1995-2016 Jean-loup Gailly Mark Adler
Copyright 2008-2019 Free Software Foundation Inc. Written by DJ Delorie <dj@redhat.com>
Copyright 2008 Steven G. Johnson <stevenj@alum.mit.edu>
Copyright 2013-2019 Free Software Foundation Inc. Contributed by Imagination Technologies Ltd
Copyright (C) 2000-2019 Free Software Foundation Inc. Written by Martin Schwidefsky (schwidefsky@de.ibm.com).
Copyright (C) 2001-2019 Free Software Foundation Inc. Written by Tom Rix Redhat.
Copyright 1997-2019 Free Software Foundation Inc. Written by Kai Tietz Onevision
Copyright 1992-2020 Free Software Foundation Inc. Contributed by Cygnus Support using pieces from other GDB modules
Copyright 2019 Free Software Foundation Inc. Contributed by Oracle Inc
Copyright (C) 1999-2019 Free Software Foundation Inc. Hacked by Steve Chamberlain of Transmeta. sac@pobox.com
Copyright 1989-2017 the Free Software Foundation Inc. .SH DESCRIPTION Many programs read input from the user
Copyright (C) 1999-2019 Free Software Foundation Inc. Contributed by Bob Manson of Cygnus Support <manson@cygnus.com>
Copyright 2010-2019 Free Software Foundation Inc. Written by Igor Kudrin <ikudrin@accesssoftekt.com>
Copyright 1999-2019 Free Software Foundation Inc. Contributed by Timothy Wall (twall@cygnus.com)
Copyright (C) 1998-2019 Free Software Foundation Inc. Written by Juke Numan <jnuman@hiscom.nl>
Copyright 1993-2019 Free Software Foundation Inc. Contributed by the OSF and Ralph Campbell. Written by Keith Knowles and Ralph Campbell working independently
Copyright (C) 1994-2019 Free Software Foundation Inc. Written by Ken Raeburn (raeburn@cygnus.com).
Copyright (C) 1999-2019 Free Software Foundation Inc. Contributed by Timothy Wall (twall@alum.mit.edu)
Copyright 1998-2019 Free Software Foundation Inc. Contributed by Mark Mitchell (mark@markmitchell.com)
Copyright 2005-2020 Free Software Foundation Inc. Contributed by Analog Devices Inc. and Mike Frysinger
Copyright 2004-2020 Free Software Foundation Inc. Contributed by Axis Communications
Copyright 2008 Guido U. Draheim <guidod@gmx.de>
Copyright (C) 2009-2019 Free Software Foundation Inc. Written by Anthony Green <green@moxielogic.com>
Copyright 1983 Regents of the University of California. msgstr A BSD gprof alapjn
Copyright (C) 1991-2019 Free Software Foundation Inc. Contributed by Steve Chamberlain <sac@cygnus.com>.
Copyright 2015 Moritz Klammler <moritz@klammler.eu>
Copyright 1983 Regents of the University of California. msgstr BSD gprof
Copyright 2004-2005 Mark Adler. --
Copyright 1981-2002, 2014 The Regents of the University of California
Copyright 2012-2020 Free Software Foundation Inc. Contributed by Hui Zhu <hui_zhu@mentor.com> Contributed by Yao Qi <yao@codesourcery.com>

Copyright 1999-2019 Free Software Foundation Inc. Written by Stephane Carrez (stcarrez@nerim.fr) XGATE and S12X added by James Murray (jsm@jsm-net.demon.co.uk)

Copyright (C) 2006 2008 2015 2018 Sharuzzaman Ahmat Raslan This file is distributed under the same license as the binutils package. Sharuzzaman Ahmat Raslan <sharuzzaman@gmail.com>

Copyright 1998, 2007 Brian Raiter <breadbox@muppetlabs.com>

Copyright 1983 Regents of the University of California. msgstr BSD gprof Regents of the University of California

Copyright 1991-2019 Free Software Foundation Inc. Written by Fred Fish

Copyright 1996-2019 Free Software Foundation Inc. Written by Martin Hunt Cygnus Support

Copyright 1999-2016 Free Software Foundation Inc. Written by Bruno Haible <bruno@clisp.org>

Copyright (C) 1989-2019 Free Software Foundation Inc. Contributed by Carnegie Mellon University

Copyright 2000-2019 Free Software Foundation Inc. Contributed by Axis Communications AB. Written by Hans-Peter Nilsson

Copyright 2010-2019 Free Software Foundation Inc. Written by Nick Clifton <nickc@redhat.com>

Copyright 1999-2019 Free Software Foundation Inc. Contributed by Denis Chertykov <denisc@overta.ru>

Copyright 1984-2020 Free Software Foundation Inc

Copyright (C) 2010-2019 Free Software Foundation Inc. Viktor Kutuzov <vkutuzov@accesssoftekt.com>.

Copyright 2017-2019 Free Software Foundation Inc. Written by Teresa Johnson <tejohnson@google.com>

Copyright 1990-2019 Free Software Foundation Inc. Written by Steve Chamberlain of Cygnus Support <sac@cygnus.com>

Copyright 1999-2019 Free Software Foundation Inc. Contributed by Stephane Carrez (stcarrez@nerim.fr)

Copyright 2001-2019 Free Software Foundation Inc. Written by Jakub Jelinek <jakub@redhat.com>

Copyright (C) 2006-2016 Free Software Foundation Inc. Written by Paul Eggert Bruno Haible Derek Price. This file is part of gnulib.

Copyright 2016-2019 Free Software Foundation Inc. Written by Tristan Gingold <gingold@adacore.com>

Copyright 2005-2020 Free Software Foundation Inc. Contributed by Analog Devices Inc

Copyright (C) 2013-2019 Free Software Foundation Inc. Written by FTDI (support@ftdichip.com)

Copyright (C) 2010-2019 Free Software Foundation Inc. Written by Rafael vila de Espndola <rafael.espindola@gmail.com>

Copyright 1996-1999 Internet Software Consortium

Copyright (C) 2009-2018 Free Software Foundation Inc. Test case from PR

Copyright 1993-2019 Free Software Foundation Inc. Written by Ian Lance Taylor Cygnus Support <ian@cygnus.com>

Copyright 1983 Regents of the University of California. msgstr

Copyright 2010-2019 Free Software Foundation Inc. Written by Matthew Gretton-Dann <matthew.gretton-dann@arm.com> Based upon arm

Copyright 2012-2019 Free Software Foundation Inc. Contributed by Nigel Gray (ngray@altera.com). Contributed by Mentor Graphics Inc

Copyright (C) 1996-2019 Free Software Foundation Inc. Contributed by Richard Henderson <rth@cygnus.com> patterned after the PPC opcode handling written by Ian Lance Taylor.

Copyright (C) 1999-2019 Free Software Foundation Inc. Contributed by Steve Chamberlan of Transmeta (sac@pobox.com).

Copyright 1998-2020 Free Software Foundation Inc. qquad Permissions on back

Copyright 2000-2003 Software Foundation Inc

Copyright 1996 L. Peter Deutsch

Copyright 1983 Regents of the University of California. msgstr Baserat p BSD gprof

Copyright 2008 Free Software Foundation Inc. msgstr Tc quyn

Copyright 2005-2020 Free Software Foundation Inc. Contributed by MIPS Technologies Inc. Written by Chao-ying Fu

Copyright 2005-2006 IBM Corp

Copyright (C) 2005-2016 Free Software Foundation Inc. Written by Simon Josefsson.

Copyright 1997-2002 FreeBSD Project

Copyright 1994-2019 Free Software Foundation Inc. Contributed by Doug Evans (dje@cygnus.com)

Copyright 2008-2019 Free Software Foundation Inc. Contributed by Jon Beniston <jon@beniston.com>

Copyright (C) 2013-2019 Free Software Foundation Inc. Written by Ian Lance Taylor Google and David Edelsohn IBM.

Copyright 2011 Free Software Foundation Inc. msgstr Tc quyn nm

Copyright 1995-1996 Jean-loup Gailly Brian Raiter and Gilles Vollant. File written by Gilles Vollant by converting match686.S from Brian Raiter for MASM

Copyright 1987-1991, 1993 Carnegie Mellon University

Copyright 2000, 2002-2003 Free Software Foundation Inc. GDB is free software covered by the GNU General Public License and

Copyright (C) 1998-2019 Free Software Foundation Inc. Contributed by Timothy Wall <twall@cygnus.com>

Copyright 1988-2019 Free Software Foundation Inc. Contributed by C-SKY Microsystems and Mentor Graphics

Copyright (C) 2014-2019 Free Software Foundation Inc. Written by Jing Yu <jingyu@google.com> and Han Shen <shenhan@google.com>.

Copyright (C) 2014-2019 Free Software Foundation Inc. Written by Jing Yu (jingyu@google.com)

Copyright 1992-1994 Henry Spencer

Copyright 1996 Cygnus Software Technologies Ltd
Copyright 2005-2020 Free Software Foundation Inc. Contributed by Imagination Technologies Ltd. Written by Andrew Bennett
<andrew.bennett@imgtec.com>
Copyright 1997-1999, 2006, 2008-2009, 2011-2012 Analog Devices Inc
Copyright 2004 Henrik Ravn
Copyright 1992 MetaWare Inc
Copyright 1998 M. Warner Losh <imp@freebsd.org>
Copyright 2004, 2009 Xilinx Inc
Copyright (C) 2000-2019 Free Software Foundation Inc. Contributed by Martin Schwidefsky (schwidefsky@de.ibm.com). 5a
Copyright (C) 2011-2019 Free Software Foundation Inc. Contributed by Andrew Waterman
Copyright 1991-2019 Free Software Foundation Inc. Written by Steve Chamberlain steve@cygnus.com
Copyright 2006-2019 Free Software Foundation Inc. Written by Ian Lance Taylor <iant@google.com>
Copyright 2009 Anthony Green
Copyright (C) 2017-2019 Free Software Foundation Inc. Written by Benjamin Peterson <bp@benjamin.pe>
Copyright 1983 Regents of the University of California. msgstr Gebaseerd op BSD gprof
Copyright 1984 Third Eye Software Inc
Copyright (C) 1997-2019 Free Software Foundation Inc. Written by Ian Lance Taylor Cygnus Support. Extended by Kai Tietz Onevision.
Copyright 1983 Regents de l'Universit de Californie
Copyright (C) 2010-2019 Free Software Foundation Inc. Contributed by Sean Keys(skeys@ipdatasys.com)
Copyright 2003 Cosmin Truta
Copyright 1999-2014 Free Software Foundation Inc. Written by Tom Tromey <tromey@cygnus.com>
Copyright 2014-2019 Free Software Foundation Inc. Contributed by Manuel Lopez-Ibanez
Copyright 1993-2019 Free Software Foundation Inc. Written by Steve Chamberlain and Ian Lance Taylor Cygnus Support
Copyright 1991-2016 Free
Copyright 2019 Free Software Foundation Inc. msgstr
Copyright 1987-2020 Free Software Foundation Inc. Contributed by David D. Johnson Brown University (ddj@cs.brown.edu)
Copyright 1991-2019 Free Software Foundation Inc. Written by Steve Chamberlain <sac@cygnus.com>
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Peter Gavin pgavin@gmail.com Modified by Andrey Bacherov
avbacherov@opencores.org
Copyright 1983 Regents of the University of California. msgstr ku Uburenganzira bw'umuhimbyi Bya
Copyright (C) 1998-2019 Free Software Foundation Inc. Written by Anders Norlander <anorland@hem2.passagen.se>. Rewritten by Kai
Tietz Onevision.
Copyright (C) 1996-2019 Free Software Foundation Inc. Written by Fred Fish (fnf@cygnus.com) Cygnus Support
Copyright 2014-2015 Google Inc. contributed by Alexey Sokolov <sokolov@google.com>
Copyright 1997, 2008 Joel Sherrill <joel@OARcorp.com>
Copyright 2009-2020 Free Software Foundation Inc. Inspired by the Microblaze simulator Contributed by Dimitar Dimitrov
<dimitar@linux.eu>
Copyright 2008 Ed Schouten <ed@FreeBSD.org>
Copyright 2010-2017 Free Software Foundation Inc. Written by Peter Rosin <peda@lysator.liu.se>
Copyright 1990-2019 Free Software Foundation Inc. Written by Steve Chamberlain of Cygnus Support
Copyright 1996 L. Peter Deutsch and Jean-Loup Gailly
Copyright (C) 2001-2019 Free Software Foundation Inc. Contributed by Hans-Peter Nilsson (hp@bitrange.com)
Copyright (C) 2014-2019 Free Software Foundation Inc. Written by Steve Chamberlain steve@cygnus.com Extended for the MSP430 by
Nick Clifton nickc@redhat.com
Copyright (C) 1998-2019 Free Software Foundation Inc. Contributed by Mumit Khan (khan@xraylith.wisc.edu).
Copyright 1983 Regents of the University of California. msgstr Diasaskan pada BSD gprof hakcipta
Copyright 2016 Krzesimir Nowak <qdlacz@gmail.com>
Copyright 2012-2020 Free Software Foundation Inc. Contributed by Peter Brookes (pbrookes@altera.com) and Andrew Draper
(adraper@altera.com)
Copyright (C) 1991-2019 Free Software Foundation Inc. Written by Steve Chamberlain sac@cygnus.com
Copyright 1994-2019 Free Software Foundation Inc. Contributed by Cupertino Miranda (cmiranda@synopsys.com)
Copyright 1983 Regenten der University of California
Copyright 1997-2019 Free Software Foundation Inc. Written by Ian Lance Taylor Cygnus Support. Rewritten by Kai Tietz Onevision
Copyright 2002-2004 Dmitry Anisimkov -- -- -- -- Open source license information is in the zlib.ads file. --
Copyright 2008-2010, 2012 Free Software Foundation Contributed by Janis Johnson <janis187@us.ibm.com>
Copyright (C) 2000-2019 Free Software Foundation Inc. Contributed by Andreas Krebbel.
Copyright 2011-2020 Free Software Foundation Inc. Contributed by Yao Qi <yao@codesourcery.com>
Copyright (C) 2002-2019 Free Software Foundation Inc. Contributed for OR32 by Ivan Guzvinec <ivang@opencores.org>

Copyright (C) 2009-2019 Free Software Foundation Inc. Written by Craig Silverstein <csilvers@google.com>.

Copyright (C) 1988-2019 Free Software Foundation Inc. Written by John Gilmore of Cygnus Support.

Copyright 2016-2020 Free Software Foundation Inc. dnl Contributed by Dimitar Dimitrov <dimitar@dinux.eu> dnl

Copyright 1993 Sun Microsystems Inc

Copyright (C) 2000-2019 Free Software Foundation Inc. Written by Michael Sokolov <msokolov@ivan.Harhan.ORG> based on armelf.em

Copyright (C) 1997-2019 Free Software Foundation Inc. Contributed by Ulrich Lauther <Ulrich.Lauther@mchp.siemens.de>

Copyright 2001-2020 Free Software Foundation Inc. Contributed by Jiri Smid SuSE Labs

Copyright (C) 2014-2019 Free Software Foundation Inc. Contributed by Dimitar Dimitrov <dimitar@dinux.eu> Based on elf32-nios2.

Copyright (C) 1995-2019 Free Software Foundation Inc. Written by Ian Lance Taylor <ian@cygnus.com>. Tags style generation written by Salvador E. Tropea <set@computer.org>.

Copyright 1990-2019 Free Software Foundation Inc. Hacked by Steve Chamberlain of Cygnus Support

Copyright 1997 Borland Corp. and is based on zlib

Copyright 1997-2019 Free Software Foundation Inc. Written by Ian Lance Taylor Cygnus Solutions

Copyright 2003 Cosmin Truta. Derived from original sources by Bob Dellaca

Copyright 2001 Daniel Eischen <deischen@FreeBSD.org>

Copyright 1996-2019 Free Software Foundation Inc. Contributed by Martin Hunt (hunt@cygnus.com)

Copyright 2008-2019 Free Software Foundation Inc. Written by David S. Miller <davem@davemloft.net>

Copyright (C) 1993-2019 Free Software Foundation Inc. Written by Stu Grossman of Cygnus Support.

Copyright 2012 Zack Weinberg <zackw@panix.com>

Copyright 1983 Regents of the University of California. msgstr Berdasarkan BSD gprof

Copyright 2002-2019 Free Software Foundation Inc. Contributed by Dmitry Diky <diwil@mail.ru>

Copyright Jean-loup Gailly Osmo A. Hienlampi <Osmo.Ahvenlampi@hut.fi>

Copyright 2001 Mike Barcroft <mike@FreeBSD.org>

Copyright 2003-2019 Free Software Foundation Inc. Written by Ian Lance Taylor <ian@wasabisystems.com>

Copyright (C) 1996-2019 Free Software Foundation Inc. Contributed by Richard Henderson <rth@tamu.edu>.

Copyright 2004 National Semiconductor Corp

Copyright 2009-2020 Free Software Foundation Inc. Contributed by Anthony Green <green@moxielogic.com>

Copyright (C) 1990-2019 Free Software Foundation Inc. Written by Cygnus Support. Mostly Gumby Henkel-Wallace's fault.

Copyright 1995-2017 Jean-Loup Gailly Mark Adler. OS

Copyright 1999, 2002-2003 years to include

Copyright 1997 Christian Michelsen Research AS Advanced Computing

Copyright 2003 Free Software Foundation Inc. Eugen Hoanca <eugenh@urban-grafx.ro>

Copyright 1999-2000 Konstantin Chuguev

Copyright 2013 Linaro Ltd

Copyright 2004-2019 Free Software Foundation Inc. Contributed by Tomer Levi NSC Israel. Originally written for GAS

Copyright 1999-2002 Stephane Carrez (stcarrez@nerim.fr)

Copyright (C) 2003-2019 Free Software Foundation Inc. Contributed by Bob Wilson at Tensilica Inc. (bwilson@tensilica.com)

Copyright 1999-2019 Free Software Foundation Inc. Contributed by Vladimir Makarov (vmakarov@cygnus.com)

Copyright 2016-2019 Free Software Foundation Inc. Written by Than McIntosh <thanm@google.com>

Copyright 2010 CodeSourcery Inc

Copyright (C) 1996-2019 Free Software Foundation Inc. Written by Fred Fish at Cygnus support (fnf@cygnus.com)

Copyright 2013-2019 Free Software Foundation Inc. Written by Alexander Ivchenko <alexander.ivchenko@intel.com>

Copyright (C) 1994-2019 Free Software Foundation Inc. Written by Ken Raeburn <raeburn@cygnus.com>.

Copyright 2013-2019 Free Software Foundation Inc. Contributed by FTDI (support@ftdichip.com)

Copyright (C) 1995-2019 Free Software Foundation Inc. Written by Ken Raeburn.

Copyright 1997 Borland Corp

Copyright 2005-2019 Free Software Foundation Inc. Contributed by Arnold Metselaar <arnold_m@operamail.com>

Copyright 2000-2019 Free Software Foundation Inc. Contributed by Carl B. Pedersen and Martin Schwidefsky

Copyright (C) 1990-2019 Free Software Foundation Inc. Written by Bryan Ford of the University of Utah.

Copyright 1995-2019 Free Software Foundation Inc. Written by Ian Lance Taylor <ian@cygnus.com>

Copyright 1989-2019 Free Software Foundation Inc. Written by James Clark (jjc@jclark.uucp) Rewritten by Fred Fish (fnf@cygnus.com) for ARM and Lucid demangling

Copyright (C) 2013-2019 Free Software Foundation Inc. Contributed by Mentor Graphics

Copyright (C) 2008-2019 Free Software Foundation Inc. Written by David S. Miller <davem@davemloft.net> and David Edelsohn <edelsohn@gnu.org>

Copyright (C) 2004-2019 Free Software Foundation Inc. Written by Tomer Levi NSC Israel.

Copyright 1983 Regents of the University of California. msgstr BSD gprof baz alnmtr Telif Hakk

Copyright 2010-2020 Free Software Foundation Inc. Contributed by Andrew Jenner <andrew@codesourcery.com> Contributed by Yao Qi <yao@codesourcery.com>
Copyright 2015 Paul Norman <penorman@mac.com>
Copyright 2013 Roy Stogner <roystgnr@ices.utexas.edu>
Copyright 1983, 1987, 1990, 2014 Regents of the University of California
Copyright 2006-2019 Free Software Foundation Inc. Contributed by Brain.lin (brain.lin@sunplusct.com)
Copyright (C) 2006-2019 Free Software Foundation Inc. Written by Carlos O'Donell <carlos@codesourcery.com>
Copyright (C) 2008-2019 Free Software Foundation Inc. Written by Evgenii Stepanov <eugenis@google.com>.
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Martin Schwidefsky (schwidefsky@de.ibm.com)
Copyright 2012-2019 Free Software Foundation Inc. Written by Jiong Wang (jiwang@tilera.com)
Copyright 1999 Citrus Project
Copyright 2009-2019 Free Software Foundation Inc. Contributed by Anthony Green (green@moxielogic.com)
Copyright (C) 1998-2019 Free Software Foundation Inc. Written by DJ Delorie <dj@cygnus.com>
Copyright 2010-2019 Free Software Foundation Inc. Contributed by Joseph Myers <joseph@codesourcery.com> Bernd Schmidt <bernds@codesourcery.com>
Copyright 2011-2019 Free Software Foundation Inc. Written by Sasa Stankovic <sasa.stankovic@imgtec.com> and Aleksandar Simeonov <aleksandar.simeonov@rt-rk.com>
Copyright (C) 2001-2003 2006-2016 Free Software Foundation Inc. Written by Bruno Haible <haible@clisp.cons.org>
Copyright 1995-2020 Free Software Foundation Inc. Contributed by Jiri Gaisler European Space Agency
Copyright (C) 1991-2019 Free Software Foundation Inc. Written by Steve Chamberlain <sac@cygnus.com> AIX support by Ian Lance Taylor <ian@cygnus.com>
Copyright 1995-2003 Free Software Foundation Inc. Written by Ulrich Drepper <drepper@cygnus.com>
Copyright 1993, 2000, 2002-2004, 2006, 2010, 2013-2015, 2020 year to
Copyright 1995 Jiri Gaisler
Copyright (C) 2011-2019 Free Software Foundation Inc. Written by Senthil Kumar Selvaraj Atmel.
Copyright (C) 1990-2019 Free Software Foundation Inc. Almost totally rewritten by Ian Dall from initial work by Andrew Cagney.
Copyright 2008-2020 Free Software Foundation Inc. Contributed by Anthony Green
Copyright 1993-2019 Free Software Foundation Inc. Written by Stu Grossman Cygnus Support. Converted to back-end form by Ian Lance Taylor Cygnus SUPport
Copyright 2004-2020 Free Software Foundation Inc. -- --
Copyright 1998-2010 Gilles Vollant Even Rouault Mathias Svensson
Copyright 1999-2020 Free Software Foundation Inc. Written by Elena Zannoni <ezannoni@cygnus.com> of Cygnus Solutions
Copyright 2007-2020 Free Software Foundation Inc. Contributed by MIPS Technologies Inc. Written by Chao-ying Fu (fu@mips.com)
Copyright 1997 John D. Polstra
Copyright 2003 Altera Corp
Copyright (C) 1990-2019 Free Software Foundation Inc. Contributed by steve chamberlain
Copyright 2002-2020 Free Software Foundation Inc. Originally
Copyright 1995-2019 Free Software Foundation Inc. dnl dnl
Copyright 2014 Free Software Foundation Inc. msgstr
Copyright 2008-2019 Free Software Foundation Inc. Written by Caleb Howe <cshowe@google.com>
Copyright (C) 1988-2019 Free Software Foundation Inc. Written by Paul Kranenburg EUR
Copyright 1983 Regents of the University of California. msgstr BSD gprof
Copyright 2002-2020 Free Software Foundation Inc. Contributed by Ed Satterthwaite and Chris Demetriou of Broadcom Corp
Copyright (C) 1993-2019 Free Software Foundation Inc. The structure of this file is based on trad-core.
Copyright 1996-2001, 2003-2009 Free Software Foundation Inc. Written by Gordon Matzigkeit
Copyright 2000-2019 Free Software Foundation Inc. Written by Hans-Peter Nilsson (hp@bitrange.com)
Copyright (C) 2009-2019 Free Software Foundation Inc. Written by Rafael Avila de Espindola <espindola@google.com> and Cary Coutant <ccoutant@google.com>
Copyright 1983 Regents of the University of California. msgstr Basato su gprof di BSD
Copyright 1999-2019 Free Software Foundation Inc. Written by Sean Keys (skeys@ipdatasys.com)
Copyright 2004-2020 Free Software Foundation Inc. Contributed by David Ung of MIPS Technologies
Copyright 2003-2019 Free Software Foundation Inc. Contributed by Michal Ludvig <mludvig@suse.cz>
Copyright (C) 1996-2019 Free Software Foundation Inc. Written by Michael Meissner Cygnus Support <meissner@cygnus.com>
Copyright 2010-2019 Free Software Foundation Inc. Written by Tocar Ilya <ilya.tocar@intel.com>
Copyright 2007-2019 Free Software Foundation Inc. Written by Cary Coutant <ccoutant@google.com>
Copyright 1998 Andreas R. Kleinert
Copyright (C) 2007-2019 Free Software Foundation Inc. Contributed by Nathan Sidwell <nathan@codesourcery.com>
Copyright 1983 Regents of the University of California. msgstr Basado en gprof de BSD

Copyright 2000-2019 Free Software Foundation Inc. Contributed by Embecosm on behalf of Adapteva Inc
Copyright 2009-2019 Free Software Foundation Inc. Written by Sriraman Tallam <tmsriram@google.com>
Copyright 2000-2019 Free Software Foundation Inc. Contributed for OR32 by Johan Rydberg jrydberg@opencores.org Modified by Julius Baxter juliusbaxter@gmail.com
Copyright 1994-1998, 2002 Andrew Cagney <cagney@highland.com.au>
Copyright 1994-2009 Red Hat Inc
Copyright 2009-2019 Free Software Foundation Inc. Written by Doug Kwan <dougkwan@google.com> by refactoring scattered contents from other files in gold. Original code written by Ian
Copyright 1996-2020 Free Software Foundation Inc. Written by Fred Fish (fnf@cygnus.com) from pieces of gdbserver
Copyright 2014 Free Software Foundation Inc. msgstr
Copyright 1997-2020 Free Software Foundation Inc. Written by Robert Hoehne
Copyright (C) 1994-2019 Free Software Foundation Inc. Contributed by Richard Earnshaw (rwe@pegasus.esprit.ec.org)
Copyright 1987-2020 Free Software Foundation Inc. Contributed by Lynx Real-Time Systems Inc. Los Gatos CA
Copyright 2005, 2017 Free Software Foundation Inc. msgstr Telif Hakk
Copyright (C) 2015-2019 Free Software Foundation Inc. Written by Cary Coutant <ccoutant@google.com>. Modified by H.J. Lu <hongjiu.lu@intel.com>
Copyright 2000-2001 Alexey Zelkin <phantom@FreeBSD.org>
Copyright 1995 Alex Tatmanjants <alex@elvisti.kiev.ua> at Electronni Visti IA Kiev Ukraine
Copyright 2001-2016 Free Software Foundation Inc. Christian Rose <menthos@menthos.com>
Copyright 1990-2020 Free Software Foundation Inc. Written by Dimitar Dimitrov <dimitar@linux.eu>
Copyright 1993-2002 Juergen Weigert (jnweiger@immd4.informatik.uni-erlangen.de) Michael Schroeder (mlschroe@immd4.informatik.uni-erlangen.de)
Copyright 2003-2019 Free Software Foundation Inc. Written by Kaveh R. Ghazi <ghazi@caip.rutgers.edu>
Copyright 1999-2020 Free Software Foundation Inc. Written by Stephane Carrez (stcarrez@worldnet.fr)
Copyright 1983 Regents of the University of California. msgstr Baseret
Copyright (C) 1998-2019 Free Software Foundation Inc. Contributed by Kaveh Ghazi (ghazi@caip.rutgers.edu)
Copyright 2001, 2004 to include
Copyright 1989-1990 Advanced Micro Devices Inc
Copyright 1983 Reggenti dell'Universit della California
Copyright 2010 Doug Evans
Copyright 1995-1999 Free Software Foundation Inc. Contributed by Ulrich Drepper <drepper@gnu.ai.mit.edu>
Copyright (C) 2006-2019 Free Software Foundation Inc. Written by Andrew Chatham.
Copyright 1998 Bob Dellaca
Copyright 2012-2020 Free Software Foundation Inc. Written by Red Hat Inc
Copyright 2020 Free Software Foundation Inc. gdbreplay is free software covered by the GNU General Public License
Copyright 2002-2019 Free Software Foundation Inc. Written by Tom Rix Red Hat Inc
Copyright 2008-2009, 2011 Free Software Foundation Inc. msgstr Hak Cipta
Copyright 1995-2017 Jean-loup Gailly and Mark Adler
Copyright 1998-2019 Free Software Foundation Inc. Contributed by Steven Haworth (steve@pm.cse.rmit.edu.au)
Copyright 1992-2020 Free Software Foundation Inc. Contributed by Cygnus Support. Written by John Gilmore
Copyright (C) 2014-2019 Free Software Foundation Inc. Written by Ian Lance Taylor <iant@google.com>. Modified by H.J. Lu <hongjiu.lu@intel.com>.
Copyright 2005-2018 Free Software Foundation Inc. Contributed by IBM Corp. Author Mike Cowlshaw
Copyright 1999-2019 Free Software Foundation Inc. Contributed by Steve Chamberlain of Transmeta (sac@pobox.com)
Copyright (C) 2007-2019 Free Software Foundation Inc. Copied from the gcc testsuite where the test was contributed by Mark Mitchell <mark@codesourcery.com>.
Copyright (C) 1999-2019 Free Software Foundation Inc. Written by Timothy Wall (twall@cygnus.com)
Copyright 2013-2020 Free Software Foundation Inc. Contributed by Red Hat. Based on sim bfin bfin-sim
Copyright (C) 2002-2019 Free Software Foundation Inc. Written by Zack Weinberg <zack@codesourcery.com>
Copyright 2006 MIPS Technologies Inc
Copyright 1994 X Consortium
Copyright 1993-2020 Free Software Foundation Inc. Written by Cygnus Support Modified by J.Gaisler ESA ESTEC
Copyright (C) 1988-2019 Free Software Foundation Inc. Written by Minh Tran-Le <TRANLE@INTELLICORP.COM>. Converted to back end form by Ian Lance Taylor <ian@cygnus.com>.
Copyright 1990-2019 Free Software Foundation Inc. Written by Metin G. Ozisik Mimi Phuong-Thao Vo and John Gilmore. Archive support from Damon A. Permezel
Copyright (C) 2002-2003 2005-2006 2008-2016 Free Software Foundation dnl Inc. dnl
Copyright (C) 1996-2019 Free Software Foundation Inc. Written by Klaus K

Copyright (C) 1990-2019 Free Software Foundation Inc. Hacked by John Gilmore and Steve Chamberlain of Cygnus Support.
Copyright 2008-2020 Free Software Foundation Inc. Contributed by FTDI <support@ftdichip.com>

gitdb version 4.0.7

<<<<<<<<xilinx-separator>>>>>>>>>

Copyright (C) 2010, 2011 Sebastian Thiel and contributors

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of the GitDB project nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Additional Licenses

The files at

gitdb/test/fixtures/packs/pack-11fd9a9e156ab73caae3b6da867192221f2089c2.idx

and

gitdb/test/fixtures/packs/pack-11fd9a9e156ab73caae3b6da867192221f2089c2.pack

are licensed under GNU GPL as part of the git source repository,

see http://en.wikipedia.org/wiki/Git_%28software%29 for more information.

They are not required for the actual operation, which is why they are not found in the distribution package.

Copyright 2010-2011 Sebastian Thiel (byronimo@gmail.com) and contributors

Copyright 2010-2011 Sebastian Thiel and contributors

gitpython version 3.1.24

<<<<<<<<xilinx-separator>>>>>>>>>

Copyright (C) 2008, 2009 Michael Trier and contributors

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

```
glibc version 2.36
<<<<<<<xilinx-separator>>>>>>>>
```

The text of the GNU Lesser General Public License, Version 2.1, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

This file contains the copying permission notices for various files in the GNU C Library distribution that have copyright owners other than the Free Software Foundation. These notices all require that a copy of the notice be included in the accompanying documentation and be distributed with binary distributions of the code, so be sure to include this file along with any binary distributions derived from the GNU C Library.

All code incorporated from 4.4 BSD is distributed under the following license:

Copyright (C) 1991 Regents of the University of California.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. [This condition was removed.]
4. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software

without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The DNS resolver code, taken from BIND 4.9.5, is copyrighted by UC Berkeley, by Digital Equipment Corporation and by Internet Software Consortium. The DEC portions are under the following license:

Portions Copyright (C) 1993 by Digital Equipment Corporation.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies, and that the name of Digital Equipment Corporation not be used in advertising or publicity pertaining to distribution of the document or software without specific, written prior permission.

THE SOFTWARE IS PROVIDED ``AS IS'' AND DIGITAL EQUIPMENT CORP. DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL DIGITAL EQUIPMENT CORPORATION BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

The ISC portions are under the following license:

Portions Copyright (c) 1996-1999 by Internet Software Consortium.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND INTERNET SOFTWARE CONSORTIUM DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL INTERNET SOFTWARE CONSORTIUM BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

The Sun RPC support (from rpcsrc-4.0) is covered by the following license:

Copyright (c) 2010, Oracle America, Inc.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of the "Oracle America, Inc." nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The following CMU license covers some of the support code for Mach, derived from Mach 3.0:

Mach Operating System
Copyright (C) 1991,1990,1989 Carnegie Mellon University
All Rights Reserved.

Permission to use, copy, modify and distribute this software and its documentation is hereby granted, provided that both the copyright notice and this permission notice appear in all copies of the software, derivative works or modified versions, and any portions thereof, and that both notices appear in supporting documentation.

CARNEGIE MELLON ALLOWS FREE USE OF THIS SOFTWARE IN ITS ``AS IS" CONDITION. CARNEGIE MELLON DISCLAIMS ANY LIABILITY OF ANY KIND FOR ANY DAMAGES WHATSOEVER RESULTING FROM THE USE OF THIS SOFTWARE.

Carnegie Mellon requests users of this software to return to

Software Distribution Coordinator
School of Computer Science
Carnegie Mellon University
Pittsburgh PA 15213-3890

or Software.Distribution@CS.CMU.EDU any improvements or extensions that they make and grant Carnegie Mellon the rights to redistribute these changes.

The file if_ppp.h is under the following CMU license:

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY CARNEGIE MELLON UNIVERSITY AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE UNIVERSITY OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The following license covers the files from Intel's "Highly Optimized Mathematical Functions for Itanium" collection:

Intel License Agreement

Copyright (c) 2000, Intel Corporation

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * The name of Intel Corporation may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL INTEL OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING

NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The files `inet/getnameinfo.c` and `sysdeps/posix/getaddrinfo.c` are copyright (C) by Craig Metz and are distributed under the following license:

/* The Inner Net License, Version 2.00

The author(s) grant permission for redistribution and use in source and binary forms, with or without modification, of the software and documentation provided that the following conditions are met:

0. If you receive a version of the software that is specifically labelled as not being for redistribution (check the version message and/or README), you are not permitted to redistribute that version of the software in any way or form.
1. All terms of the all other applicable copyrights and licenses must be followed.
2. Redistributions of source code must retain the authors' copyright notice(s), this list of conditions, and the following disclaimer.
3. Redistributions in binary form must reproduce the authors' copyright notice(s), this list of conditions, and the following disclaimer in the documentation and/or other materials provided with the distribution.
4. [The copyright holder has authorized the removal of this clause.]
5. Neither the name(s) of the author(s) nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY ITS AUTHORS AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHORS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

If these license terms cause you a real problem, contact the author. */

The file `sunrpc/des_impl.c` is copyright Eric Young:

Copyright (C) 1992 Eric Young
Collected from `libdes` and modified for SECURE RPC by Martin Kuck 1994
This file is distributed under the terms of the GNU Lesser General Public License, version 2.1 or later - see the file `COPYING.LIB` for details.
If you did not receive a copy of the license with this program, please see <http://www.gnu.org/licenses/> to obtain a copy.

The file `inet/rcmd.c` is under a UCB copyright and the following:

Copyright (C) 1998 WIDE Project.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the project nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE PROJECT AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE PROJECT OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The file posix/runtests.c is copyright Tom Lord:

Copyright 1995 by Tom Lord

All Rights Reserved

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of the copyright holder not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

Tom Lord DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL TOM LORD BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

The posix/rxspencer tests are copyright Henry Spencer:

Copyright 1992, 1993, 1994, 1997 Henry Spencer. All rights reserved. This software is not subject to any license of the American Telephone and Telegraph Company or of the Regents of the University of California.

Permission is granted to anyone to use this software for any purpose on any computer system, and to alter it and redistribute it, subject to the following restrictions:

1. The author is not responsible for the consequences of use of this software, no matter how awful, even if they arise from flaws in it.
2. The origin of this software must not be misrepresented, either by explicit claim or by omission. Since few users ever read sources,

credits must appear in the documentation.

3. Altered versions must be plainly marked as such, and must not be misrepresented as being the original software. Since few users ever read sources, credits must appear in the documentation.
4. This notice may not be removed or altered.

The file `posix/PCRE.tests` is copyright University of Cambridge:

Copyright (c) 1997-2003 University of Cambridge

Permission is granted to anyone to use this software for any purpose on any computer system, and to redistribute it freely, subject to the following restrictions:

1. This software is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
2. The origin of this software must not be misrepresented, either by explicit claim or by omission. In practice, this means that if you use PCRE in software that you distribute to others, commercially or otherwise, you must put a sentence like this

Regular expression support is provided by the PCRE library package, which is open source software, written by Philip Hazel, and copyright by the University of Cambridge, England.

somewhere reasonably visible in your documentation and in any relevant files or online help data or similar. A reference to the ftp site for the source, that is, to

`ftp://ftp.csx.cam.ac.uk/pub/software/programming/pcre/`

should also be given in the documentation. However, this condition is not intended to apply to whole chains of software. If package A includes PCRE, it must acknowledge it, but if package B is software that includes package A, the condition is not imposed on package B (unless it uses PCRE independently).

3. Altered versions must be plainly marked as such, and must not be misrepresented as being the original software.
4. If PCRE is embedded in any software that is released under the GNU General Purpose Licence (GPL), or Lesser General Purpose Licence (LGPL), then the terms of that licence shall supersede any condition above with which it is incompatible.

Files from Sun `fdlibm` are copyright Sun Microsystems, Inc.:

Copyright (C) 1993 by Sun Microsystems, Inc. All rights reserved.

Developed at SunPro, a Sun Microsystems, Inc. business.
Permission to use, copy, modify, and distribute this software is freely granted, provided that this notice is preserved.

Various long double libm functions are copyright Stephen L. Moshier:

Copyright 2001 by Stephen L. Moshier <moshier@na-net.ornl.gov>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, see <<http://www.gnu.org/licenses/>>. */

Copyright 2015 Synopsys Inc

Copyright 1996-1997 Andrey A. Chernov Moscow Russia

Copyright (C) 1989-2022 Free Software Foundation Inc. Unlike the bulk of the getopt implementation this file is NOT part of gnu lib.

Copyright (C) 2005 Free Software Foundation Inc. Steve Murphy <murf@e-tools.com>

Copyright 1980-2000, 2011 The Regents of the University of California

Copyright 1999 Kungliga Tekniska Hogskolan

Copyright 2001 Stephen L. Moshier <moshier@na-net.ornl.gov>

Copyright 2001 Hans-Peter Nilsson

Copyright 1995 Tom Lord

Copyright 1996 Craig Metz

Copyright 2015 Rolls-Royce Controls and Data Services Ltd

Copyright 2014-2017 Mentor Graphics

Copyright 1996-2010 Texas Instruments Inc

Copyright 2021 Unicode

Copyright 1999 Citrus Project

Copyright 2017 embedded brains GmbH

Copyright (C) 2000-2022 Free Software Foundation Inc. EV67 optimized by Rick Gorton <rick.gorton@alpha-processor.com>. This file is part of the GNU C Library.

Copyright 2008 Nokia Corp

Copyright 1993, 2011 Sun Microsystems Inc

Copyright (C) 1992 Eric Young

Copyright (C) 2000 Free Software Foundation Inc. Contributed by Greg McGary <greg@mcgary.org> This file is part of the GNU C Library. Its master source is NOT part of

Copyright 1995-2022 Free Software Foundation Inc. Written by Ulrich Drepper <drepper@cygnus.com>

Copyright 2001 Christopher G. Demetriou

Copyright 2014 FTDI (support@ftdichip.com)

Copyright 1993, 2000-2005 Intel Corp

Copyright 1997-2002 FreeBSD Project

Copyright 1986 HEWLETT-PACKARD Co

Copyright 2002 SuperH Inc

Copyright 1997 Peter Wemm <peter@freebsd.org>

Copyright 2009 Free Software Foundation Inc. Lauri Nurmi <lanurmi@iki.fi>

Copyright 1998 Todd C. Miller <Todd.Miller@courtesan.com>

Copyright 2003 Altera Corp

Copyright 2017 Michael R. Neilly

Copyright 2022 Free Software Foundation Inc. print

Copyright 1998 M. Warner Losh <imp@freebsd.org>

Copyright 2004, 2009 Xilinx Inc

Copyright (C) 1998 1999 2000 2001 Free Software Foundation Inc. Nikos Mavroyanopoulos <nnav@hellug.gr>
Copyright 1984, 1991 Stephen L. Moshier Adapted for glibc October
Copyright 2001 Stephen L. Moshier (moshier@na-net.onrl.gov)
Copyright 1991 AT&T
Copyright 2001, 2006 International Business Machines Corp Sony Computer Entertainment Inc
Copyright 1995-2022 Free Software Foundation Inc. Contributed by Ulrich Drepper <drepper@gnu.ai.mit.edu>
Copyright 2009-2018 Arm Ltd
Copyright 2010-2012 Oracle America Inc
Copyright 1987-1993, 1995 Carnegie Mellon University
Copyright 2015 John Baldwin <jhb@FreeBSD.org>
Copyright 1982-1983, 1986, 1988, 1990-1991 Regents of the University of California
Copyright (C) 1996 1998 2000 2001 2002 2003 2004 2007 2008 2009 2011 2013 2014 2015 2017 2018 2019 Free Software Foundation Inc. Bang Jun-Young <bangjy@nownuri.net>
Copyright 2020 C-SKY Microsystems
Copyright (C) 1998-2001 2002 2003 2004 Free Software Foundation Inc. Marcel Telka <marcel@telka.sk>
Copyright 1993 Digital Equipment Corp
Copyright 1991 DJ Delorie
Copyright 2013 Andrew Turner <andrew@FreeBSD.ORG>
Copyright 1991-2022 Free Software
Copyright 1994-2009 Red Hat Inc
Copyright 2008 Ed Schouten <ed@FreeBSD.org>
Copyright 2001 Stephen L. Moshier <moshier@na-net.ornl.gov> and are Inc herein by
Copyright 1998 WIDE Project
Copyright 1984, 1991 Stephen L. Moshier Adapted for glibc November
Copyright 2018 Free Software Foundation. Copying and distribution of
Copyright 1995 International Business Machines Inc
Copyright 1992 Eric Young Collected from libdes and modified for SECURE RPC by Martin Kuck
Copyright (C) 1999 2000 2002 Free Software Foundation Inc. Jacobo Tarrío <jtarrío@trasno.net>
Copyright 2000-2001 Alexey Zelkin <phantom@FreeBSD.org>
Copyright 1995 Alex Tatmanjants <alex@elvisti.kiev.ua> at Electronni Visti IA Kiev Ukraine
Copyright 2018-2019 Dimitar Dimitrov <dimitar@linux.eu>
Copyright 1995, 1999 Ralf Baechle
Copyright 1984, 2000 S.L. Moshier
Copyright 1997-2003 University of Cambridge
Copyright 2004-2011 David Schultz <das@FreeBSD.ORG>
Copyright 1989-1990 Advanced Micro Devices Inc
Copyright (C) 1995-2022 Free Software Foundation Inc. Written by Ulrich Drepper <drepper@gnu.org>
Copyright (c) 1993 Carlos Leandro and Rui Salgueiro Dep. Matematica Universidade de Coimbra Portugal Europe
Copyright 2010 Oracle America Inc. Redistribution and
Copyright 2001 Stephen L. Moshier
Copyright 2008 Jeffrey Roberson <jeff@freebsd.org>
Copyright 2001. csu version.
Copyright 1995-1999 Internet Software Consortium
Copyright 2004 Internet Systems Consortium Inc
Copyright 2001 Daniel Eischen <deischen@FreeBSD.org>
Copyright 1988 Stephen Deering
Copyright 2011 Adapteva Inc
Copyright 2001 Stephen L. Moshier (moshier@na-net.ornl.gov)
Copyright 2001 Mike Barcroft <mike@FreeBSD.org>
Copyright 2003 Artem B. Bityuckiy SoftMine Corp. Rights transferred to Franklin Electronic Publishers
Copyright 2004 National Semiconductor Corp
Copyright 1996 Xavier Leroy (Xavier.Leroy@inria.fr)
Copyright (C) 2000 Free Software Foundation Inc. Robert Brady <rwb197@ecs.soton.ac.uk>
Copyright 1998-2001 Lucent Technologies
Copyright 1994 X Consortium
Copyright (C) 1995 1999 Silicon Graphics
Copyright 2017 SiFive Inc
Copyright 1984-2022 Free Software Foundation Inc

Copyright 1999-2000 Konstantin Chuguev
Copyright 2016 Phoenix Systems
Copyright 1992-1994, 1997 Henry Spencer
Copyright 1999-2002 Stephane Carrez (stcarrez@nerim.fr)
Copyright 1991-2013 Unicode Inc

```

/*
 * Copyright (C) 2008 Google Inc.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

```

Copyright (C) 2008 Google Inc.

The text of the Apache License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s)

The text of the Apache License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s)

Copyright 2005-2020 The Guava Authors

google-pasta version 0.2.0

```
google-protobuf version 3.7.1
<<<<<<<xilinx-separator>>>>>>>
```

Vivado ML Lab Solutions Third Party Licensing Guide 2025.10.24 262

[Public]

```
# This program is distributed in the hope that it will be useful,  
# but WITHOUT ANY WARRANTY; without even the implied warranty of  
# MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the  
# GNU General Public License for more details.
```

```
# You should have received a copy of the GNU General Public License  
# along with this program. If not, see <http://www.gnu.org/licenses/>.
```

```
# As a special exception to the GNU General Public License, if you  
# distribute this file as part of a program that contains a  
# configuration script generated by Autoconf, you may include it under  
# the same distribution terms that you use for the rest of that program.
```

```
>>> googletest/googlemock
```

The text of the Apache License, Version 2.0, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

```
# Attempt to guess a canonical system name.  
# Copyright 1992-2018 Free Software Foundation, Inc.
```

```
timestamp='2018-02-24'
```

```
# This file is free software; you can redistribute it and/or modify it  
# under the terms of the GNU General Public License as published by  
# the Free Software Foundation; either version 3 of the License, or  
# (at your option) any later version.  
#  
# This program is distributed in the hope that it will be useful, but  
# WITHOUT ANY WARRANTY; without even the implied warranty of  
# MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU  
# General Public License for more details.
```

```
#  
# You should have received a copy of the GNU General Public License  
# along with this program; if not, see <https://www.gnu.org/licenses/>.  
#  
# As a special exception to the GNU General Public License, if you  
# distribute this file as part of a program that contains a  
# configuration script generated by Autoconf, you may include it under  
# the same distribution terms that you use for the rest of that  
# program. This Exception is an additional permission under section 7  
# of the GNU General Public License, version 3 ("GPLv3").  
#  
# Originally written by Per Bothner; maintained since 2000 by Ben Elliston.  
#  
# You can get the latest version of this script from:  
# https://git.savannah.gnu.org/gitweb/?p=config.git;a=blob\_plain;f=config.guess  
#  
# Please send patches to <config-patches@gnu.org>.
```

```
>>>> thirdparty/jsoncpp 1.6.5  
/ ///////////////////////////////////  
// Beginning of content of file: LICENSE  
/ ///////////////////////////////////
```

```
/*
```

The JsonCpp library's source code, including accompanying documentation, tests and demonstration applications, are licensed under the following

conditions...

The author (Baptiste Lepilleur) explicitly disclaims copyright in all jurisdictions which recognize such a disclaimer. In such jurisdictions, this software is released into the Public Domain.

In jurisdictions which do not recognize Public Domain property (e.g. Germany as of 2010), this software is Copyright (c) 2007-2010 by Baptiste Lepilleur, and is released under the terms of the MIT License (see below).

In jurisdictions which recognize Public Domain property, the user of this software may choose to accept it either as 1) Public Domain, 2) under the conditions of the MIT License (see below), or 3) under the terms of dual Public Domain/MIT License conditions described here, as they choose.

The MIT License is about as close to Public Domain as a license can get, and is described in clear, concise terms at:

http://en.wikipedia.org/wiki/MIT_License

The full text of the MIT License follows:

```
=====
Copyright (c) 2007-2010 Baptiste Lepilleur

Permission is hereby granted, free of charge, to any person
obtaining a copy of this software and associated documentation
files (the "Software"), to deal in the Software without
restriction, including without limitation the rights to use, copy,
modify, merge, publish, distribute, sublicense, and/or sell copies
of the Software, and to permit persons to whom the Software is
furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be
included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS
BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN
ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN
CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
SOFTWARE.
=====
(END LICENSE TEXT)
```

The MIT license is compatible with both the GPL and commercial software, affording one all of the rights of Public Domain with the minor nuisance of being required to keep the above copyright notice and license text in the source code. Note also that by accepting the Public Domain "license" you can re-license your copy using whatever license you like.

```
*/
// //////////////////////////////////////
// End of content of file: LICENSE
```

//

```
>>> m4
#
# LICENSE
#
# Copyright (c) 2008 Benjamin Kosnik <bkoz@redhat.com>
# Copyright (c) 2012 Zack Weinberg <zackw@panix.com>
# Copyright (c) 2013 Roy Stogner <roystgnr@ices.utexas.edu>
# Copyright (c) 2014, 2015 Google Inc.; contributed by Alexey Sokolov <sokolov@google.com>
# Copyright (c) 2015 Paul Norman <penorman@mac.com>
# Copyright (c) 2015 Moritz Klammler <moritz@klammler.eu>
# Copyright (c) 2016 Krzesimir Nowak <qdlacz@gmail.com>
#
# Copying and distribution of this file, with or without modification, are
# permitted in any medium without royalty provided the copyright notice
# and this notice are preserved. This file is offered as-is, without any
# warranty.
#
# Copyright (c) 2008 Paolo Bonzini <bonzini@gnu.org>
#
# Copying and distribution of this file, with or without modification, are
# permitted in any medium without royalty provided the copyright notice
# and this notice are preserved. This file is offered as-is, without any
# warranty.
#
# LICENSE
#
# Copyright (c) 2008 Paolo Bonzini <bonzini@gnu.org>
# Copyright (c) 2012 Avionic Design GmbH
#
# Based on the AX_PROG_CC_FOR_BUILD macro by Paolo Bonzini.
#
# Copying and distribution of this file, with or without modification, are
# permitted in any medium without royalty provided the copyright notice
# and this notice are preserved. This file is offered as-is, without any
# warranty.
```

Copyright 1996-2014 Free Software Foundation Inc. Originally written by Francois Pinard <pinard@iro.umontreal.ca>
Copyright 1999-2014 Free Software Foundation Inc. Written by Tom Tromey <tromey@cygnus.com>
Copyright 2007 Neal Norwitz
Copyright 1996-2015 Free Software Foundation Inc. Written by Gordon Matzigkeit
Copyright 2007-2011 Baptiste Lepilleur Distributed
Copyright 2008 Paolo Bonzini <bonzini@gnu.org>
Copyright 2015 Paul Norman <penorman@mac.com>
Copyright 2013 Roy Stogner <roystgnr@ices.utexas.edu>
Copyright 2007-2010 Baptiste Lepilleur and is released
Copyright (c) 2012 Avionic Design GmbH
Copyright (C) 2010-2017 Free Software Foundation Inc. Written by Peter Rosin <peda@lysator.liu.se>.
Copyright 2003, 2005-2010, 2012-2018 Google Inc
Copyright 2016 Krzesimir Nowak <qdlacz@gmail.com>
Copyright 2004-2015 Free Software Foundation Inc. Written by Gary V. Vaughan
Copyright 2014-2015 Google Inc. contributed by Alexey Sokolov <sokolov@google.com>
Copyright 2015 Moritz Klammler <moritz@klammler.eu>

Copyright 2007-2010 Baptiste Lepilleur
Copyright 2004-2015 Free Software Foundation Inc. Written by Scott James Remnant
Copyright 2008 Benjamin Kosnik <bkoz@redhat.com>
Copyright (c) 2011 Daniel Richard G. <skunk@iSKUNK.ORG>
Copyright 2008 Steven G. Johnson <stevenj@alum.mit.edu>
Copyright 1992-2018 Free Software Foundation Inc
Copyright 2012 Zack Weinberg <zackw@panix.com>

* Copyright (c) 2009-2021, Google LLC
* All rights reserved.
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions are met:
* * Redistributions of source code must retain the above copyright
* notice, this list of conditions and the following disclaimer.
* * Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions and the following disclaimer in the
* documentation and/or other materials provided with the distribution.
* * Neither the name of Google LLC nor the
* names of its contributors may be used to endorse or promote products
* derived from this software without specific prior written permission.
*
* THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"
* AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL Google LLC BE LIABLE FOR ANY DIRECT,
* INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
* (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;
* LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
* ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS
* SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

```
google-protoc version 3.7.1
<<<<<<<xilinx-separator>>>>>>>
```

```
// Protocol Buffers - Google's data interchange format
// Copyright 2008 Google Inc. All rights reserved.
// https://developers.google.com/protocol-buffers/
//
// Redistribution and use in source and binary forms, with or without
// modification, are permitted provided that the following conditions are
// met:
//
```

```
// * Redistributions of source code must retain the above copyright
// notice, this list of conditions and the following disclaimer.
// * Redistributions in binary form must reproduce the above
// copyright notice, this list of conditions and the following disclaimer
// in the documentation and/or other materials provided with the
// distribution.
// * Neither the name of Google Inc. nor the names of its
// contributors may be used to endorse or promote products derived from
// this software without specific prior written permission.
//
// THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
// "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
// LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR
// A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT
// OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
// SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
// LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
// DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
// THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
// (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
// OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
```

(' & sv9999bha`_QUTSRCBA@?)>=<G Y
Copyright 2005-2006, 2008, 2012, 2014 Google Inc

```
grpcio version 1.69.0
<<<<<<<xilinx-separator>>>>>>>>
```

```
>>> apache
      Apache License
      Version 2.0, January 2004
      http://www.apache.org/licenses/
```

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work

or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

- (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and
- (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
- (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
- (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.

See the License for the specific language governing permissions and limitations under the License.

>>> BSD 3-Clause License

Copyright 2016, Google Inc.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

>>> Mozilla Public License Version 2.0

=====

1. Definitions

1.1. "Contributor"

means each individual or legal entity that creates, contributes to the creation of, or owns Covered Software.

1.2. "Contributor Version"

means the combination of the Contributions of others (if any) used by a Contributor and that particular Contributor's Contribution.

1.3. "Contribution"

means Covered Software of a particular Contributor.

1.4. "Covered Software"

means Source Code Form to which the initial Contributor has attached the notice in Exhibit A, the Executable Form of such Source Code Form, and Modifications of such Source Code Form, in each case

including portions thereof.

1.5. "Incompatible With Secondary Licenses"

means

- (a) that the initial Contributor has attached the notice described in Exhibit B to the Covered Software; or
- (b) that the Covered Software was made available under the terms of version 1.1 or earlier of the License, but not also under the terms of a Secondary License.

1.6. "Executable Form"

means any form of the work other than Source Code Form.

1.7. "Larger Work"

means a work that combines Covered Software with other material, in a separate file or files, that is not Covered Software.

1.8. "License"

means this document.

1.9. "Licensable"

means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently, any and all of the rights conveyed by this License.

1.10. "Modifications"

means any of the following:

- (a) any file in Source Code Form that results from an addition to, deletion from, or modification of the contents of Covered Software; or
- (b) any new file in Source Code Form that contains any Covered Software.

1.11. "Patent Claims" of a Contributor

means any patent claim(s), including without limitation, method, process, and apparatus claims, in any patent Licensable by such Contributor that would be infringed, but for the grant of the License, by the making, using, selling, offering for sale, having made, import, or transfer of either its Contributions or its Contributor Version.

1.12. "Secondary License"

means either the GNU General Public License, Version 2.0, the GNU Lesser General Public License, Version 2.1, the GNU Affero General Public License, Version 3.0, or any later versions of those licenses.

1.13. "Source Code Form"

means the form of the work preferred for making modifications.

1.14. "You" (or "Your")

means an individual or a legal entity exercising rights under this License. For legal entities, "You" includes any entity that controls, is controlled by, or is under common control with You. For

purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants and Conditions

2.1. Grants

Each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

- (a) under intellectual property rights (other than patent or trademark) Licensable by such Contributor to use, reproduce, make available, modify, display, perform, distribute, and otherwise exploit its Contributions, either on an unmodified basis, with Modifications, or as part of a Larger Work; and
- (b) under Patent Claims of such Contributor to make, use, sell, offer for sale, have made, import, and otherwise transfer either its Contributions or its Contributor Version.

2.2. Effective Date

The licenses granted in Section 2.1 with respect to any Contribution become effective for each Contribution on the date the Contributor first distributes such Contribution.

2.3. Limitations on Grant Scope

The licenses granted in this Section 2 are the only rights granted under this License. No additional rights or licenses will be implied from the distribution or licensing of Covered Software under this License. Notwithstanding Section 2.1(b) above, no patent license is granted by a Contributor:

- (a) for any code that a Contributor has removed from Covered Software; or
- (b) for infringements caused by: (i) Your and any other third party's modifications of Covered Software, or (ii) the combination of its Contributions with other software (except as part of its Contributor Version); or
- (c) under Patent Claims infringed by Covered Software in the absence of its Contributions.

This License does not grant any rights in the trademarks, service marks, or logos of any Contributor (except as may be necessary to comply with the notice requirements in Section 3.4).

2.4. Subsequent Licenses

No Contributor makes additional grants as a result of Your choice to distribute the Covered Software under a subsequent version of this License (see Section 10.2) or under the terms of a Secondary License (if

permitted under the terms of Section 3.3).

2.5. Representation

Each Contributor represents that the Contributor believes its Contributions are its original creation(s) or it has sufficient rights to grant the rights to its Contributions conveyed by this License.

2.6. Fair Use

This License is not intended to limit any rights You have under applicable copyright doctrines of fair use, fair dealing, or other equivalents.

2.7. Conditions

Sections 3.1, 3.2, 3.3, and 3.4 are conditions of the licenses granted in Section 2.1.

3. Responsibilities

3.1. Distribution of Source Form

All distribution of Covered Software in Source Code Form, including any Modifications that You create or to which You contribute, must be under the terms of this License. You must inform recipients that the Source Code Form of the Covered Software is governed by the terms of this License, and how they can obtain a copy of this License. You may not attempt to alter or restrict the recipients' rights in the Source Code Form.

3.2. Distribution of Executable Form

If You distribute Covered Software in Executable Form then:

- (a) such Covered Software must also be made available in Source Code Form, as described in Section 3.1, and You must inform recipients of the Executable Form how they can obtain a copy of such Source Code Form by reasonable means in a timely manner, at a charge no more than the cost of distribution to the recipient; and
- (b) You may distribute such Executable Form under the terms of this License, or sublicense it under different terms, provided that the license for the Executable Form does not attempt to limit or alter the recipients' rights in the Source Code Form under this License.

3.3. Distribution of a Larger Work

You may create and distribute a Larger Work under terms of Your choice, provided that You also comply with the requirements of this License for the Covered Software. If the Larger Work is a combination of Covered Software with a work governed by one or more Secondary Licenses, and the Covered Software is not Incompatible With Secondary Licenses, this License permits You to additionally distribute such Covered Software under the terms of such Secondary License(s), so that the recipient of the Larger Work may, at their option, further distribute the Covered Software under the terms of either this License or such Secondary

License(s).

3.4. Notices

You may not remove or alter the substance of any license notices (including copyright notices, patent notices, disclaimers of warranty, or limitations of liability) contained within the Source Code Form of the Covered Software, except that You may alter any license notices to the extent required to remedy known factual inaccuracies.

3.5. Application of Additional Terms

You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, You may do so only on Your own behalf, and not on behalf of any Contributor. You must make it absolutely clear that any such warranty, support, indemnity, or liability obligation is offered by You alone, and You hereby agree to indemnify every Contributor for any liability incurred by such Contributor as a result of warranty, support, indemnity or liability terms You offer. You may include additional disclaimers of warranty and limitations of liability specific to any jurisdiction.

4. Inability to Comply Due to Statute or Regulation

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Software due to statute, judicial order, or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be placed in a text file included with all distributions of the Covered Software under this License. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it.

5. Termination

5.1. The rights granted under this License will terminate automatically if You fail to comply with any of its terms. However, if You become compliant, then the rights granted under this License from a particular Contributor are reinstated (a) provisionally, unless and until such Contributor explicitly and finally terminates Your grants, and (b) on an ongoing basis, if such Contributor fails to notify You of the non-compliance by some reasonable means prior to 60 days after You have come back into compliance. Moreover, Your grants from a particular Contributor are reinstated on an ongoing basis if such Contributor notifies You of the non-compliance by some reasonable means, this is the first time You have received notice of non-compliance with this License from such Contributor, and You become compliant prior to 30 days after Your receipt of the notice.

5.2. If You initiate litigation against any entity by asserting a patent infringement claim (excluding declaratory judgment actions, counter-claims, and cross-claims) alleging that a Contributor Version directly or indirectly infringes any patent, then the rights granted to You by any and all Contributors for the Covered Software under Section

2.1 of this License shall terminate.

5.3. In the event of termination under Sections 5.1 or 5.2 above, all end user license agreements (excluding distributors and resellers) which have been validly granted by You or Your distributors under this License prior to termination shall survive termination.

* *
* 6. Disclaimer of Warranty *
* ----- *
* *
* Covered Software is provided under this License on an "as is" *
* basis, without warranty of any kind, either expressed, implied, or *
* statutory, including, without limitation, warranties that the *
* Covered Software is free of defects, merchantable, fit for a *
* particular purpose or non-infringing. The entire risk as to the *
* quality and performance of the Covered Software is with You. *
* Should any Covered Software prove defective in any respect, You *
* (not any Contributor) assume the cost of any necessary servicing, *
* repair, or correction. This disclaimer of warranty constitutes an *
* essential part of this License. No use of any Covered Software is *
* authorized under this License except under this disclaimer. *
* *

* *
* 7. Limitation of Liability *
* ----- *
* *
* Under no circumstances and under no legal theory, whether tort *
* (including negligence), contract, or otherwise, shall any *
* Contributor, or anyone who distributes Covered Software as *
* permitted above, be liable to You for any direct, indirect, *
* special, incidental, or consequential damages of any character *
* including, without limitation, damages for lost profits, loss of *
* goodwill, work stoppage, computer failure or malfunction, or any *
* and all other commercial damages or losses, even if such party *
* shall have been informed of the possibility of such damages. This *
* limitation of liability shall not apply to liability for death or *
* personal injury resulting from such party's negligence to the *
* extent applicable law prohibits such limitation. Some *
* jurisdictions do not allow the exclusion or limitation of *
* incidental or consequential damages, so this exclusion and *
* limitation may not apply to You. *
* *

8. Litigation

Any litigation relating to this License may be brought only in the courts of a jurisdiction where the defendant maintains its principal place of business and such litigation shall be governed by laws of that jurisdiction, without reference to its conflict-of-law provisions. Nothing in this Section shall prevent a party's ability to bring cross-claims or counter-claims.

9. Miscellaneous

This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not be used to construe this License against a Contributor.

10. Versions of the License

10.1. New Versions

Mozilla Foundation is the license steward. Except as provided in Section 10.3, no one other than the license steward has the right to modify or publish new versions of this License. Each version will be given a distinguishing version number.

10.2. Effect of New Versions

You may distribute the Covered Software under the terms of the version of the License under which You originally received the Covered Software, or under the terms of any subsequent version published by the license steward.

10.3. Modified Versions

If you create software not governed by this License, and you want to create a new license for such software, you may create and use a modified version of this License if you rename the license and remove any references to the name of the license steward (except to note that such modified license differs from this License).

10.4. Distributing Source Code Form that is Incompatible With Secondary Licenses

If You choose to distribute Source Code Form that is Incompatible With Secondary Licenses under the terms of this version of the License, the notice described in Exhibit B of this License must be attached.

Exhibit A - Source Code Form License Notice

This Source Code Form is subject to the terms of the Mozilla Public License, v. 2.0. If a copy of the MPL was not distributed with this file, You can obtain one at <http://mozilla.org/MPL/2.0/>.

If it is not possible or desirable to put the notice in a particular file, then You may include the notice in a location (such as a LICENSE file in a relevant directory) where a recipient would be likely to look for such a notice.

You may add additional accurate notices of copyright ownership.

Exhibit B - "Incompatible With Secondary Licenses" Notice

This Source Code Form is "Incompatible With Secondary Licenses", as defined by the Mozilla Public License, v. 2.0.

>>> openssl

```
// Copyright 2014-2016 The OpenSSL Project Authors. All Rights Reserved.
//
// Licensed under the OpenSSL license (the "License"). You may not use
// this file except in compliance with the License. You can obtain a copy
// in the file LICENSE in the source distribution or at
// https://www.openssl.org/source/license.html
```

>>> CRYPTOGRAMS licenses (BSD3) OR GPL

```
// =====
// Written by Andy Polyakov <appro@openssl.org> for the OpenSSL
// project. The module is, however, dual licensed under OpenSSL and
// CRYPTOGRAMS licenses depending on where you obtain it. For further
// details see http://www.openssl.org/~appro/cryptograms/.
//
// Permission to use under GPLv2 terms is granted.
```

Copyright (c) 2006-2017, CRYPTOGRAMS by <appro@openssl.org>
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

- * Redistributions of source code must retain copyright notices,
this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above
copyright notice, this list of conditions and the following
disclaimer in the documentation and/or other materials
provided with the distribution.
- * Neither the name of the CRYPTOGRAMS nor the names of its
copyright holder and contributors may be used to endorse or
promote products derived from this software without specific
prior written permission.

ALTERNATIVELY, provided that this notice is retained in full, this
product may be distributed under the terms of the GNU General Public
License (GPL), in which case the provisions of the GPL apply INSTEAD OF
those given above.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDER AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR
A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT
OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT

(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

>>> zlib

/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.13, October 13th, 2022

Copyright (C) 1995-2022 Jean-loup Gailly and Mark Adler

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

Jean-loup Gailly Mark Adler
jloup@gzip.org madler@alumni.caltech.edu

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://tools.ietf.org/html/rfc1950> (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).

*/

>>> mit

/* Copyright 1998 by the Massachusetts Institute of Technology.

*

- * Permission to use, copy, modify, and distribute this
- * software and its documentation for any purpose and without
- * fee is hereby granted, provided that the above copyright
- * notice appear in all copies and that both that copyright
- * notice and this permission notice appear in supporting
- * documentation, and that the name of M.I.T. not be used in
- * advertising or publicity pertaining to distribution of the
- * software without specific, written prior permission.
- * M.I.T. makes no representations about the suitability of
- * this software for any purpose. It is provided "as is"
- * without express or implied warranty.

>>> BSD 2

/*

- * xxHash - Extremely Fast Hash algorithm

[Public]

- * Header File
- * Copyright (C) 2012-2020 Yann Collet
- *
- * BSD 2-Clause License (<https://www.opensource.org/licenses/bsd-license.php>)
- *
- * Redistribution and use in source and binary forms, with or without
- * modification, are permitted provided that the following conditions are
- * met:
- *
- * * Redistributions of source code must retain the above copyright
- * notice, this list of conditions and the following disclaimer.
- * * Redistributions in binary form must reproduce the above
- * copyright notice, this list of conditions and the following disclaimer
- * in the documentation and/or other materials provided with the
- * distribution.
- *
- * THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
- * "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
- * LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR
- * A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT
- * OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
- * SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
- * LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
- * DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
- * THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
- * (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
- * OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
- *
- * You can contact the author at:
- * - xxHash homepage: <https://www.xxhash.com>
- * - xxHash source repository: <https://github.com/Cyan4973/xxHash>
- */

Copyright 2007-2008 Even Rouault
Copyright (C) 2010 Jeremy Lal <kapouer@melix.org>
Copyright 1995-2022 Jean-loup Gailly and Mark Adler
Copyright 2017 the HRSS authors
copyright ownership.
Copyright 2004-2017 Daniel Stenberg
Copyright 1995-1998 WIDE Project
Copyright 1995-2022 Jean-loup Gailly Mark Adler
Copyright 1999-2010, 2016, 2018 The RE2 Authors
Copyright (C) 1998 - 2010 Gilles Vollant Even Rouault Mathias Svensson
Copyright (c) 1990-2000 Info-ZIP. All rights reserved.
Copyright 2003-2010, 2013-2021 Google Inc
Copyright string in the executable of your product
Copyright provided to the public domain
Copyright (C) 1995-2010 Jean-loup Gailly Brian Raiter and Gilles Vollant.
Copyright 1998, 2000, 2011, 2013 the Massachusetts Institute of Technology
Copyright with his permission.
Copyright 2009-2010 Mathias Svensson
Copyright 1998-2010 Gilles Vollant
copyright statement to Your modifications and
Copyright 1995-2022 Mark Adler
Copyright 2002 Sun Microsystems Inc
Copyright 2017-2018 John Schember <john@nachtimwald.com>
Copyright 2009-2022 Google LLC

direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made,

use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

- (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and
- (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
- (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
- (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify

the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.
7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.
8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.
9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

```
// Protocol Buffers - Google's data interchange format
// Copyright 2008 Google Inc. All rights reserved.
// https://developers.google.com/protocol-buffers/
//
// Redistribution and use in source and binary forms, with or without
// modification, are permitted provided that the following conditions are
// met:
//
// * Redistributions of source code must retain the above copyright
// notice, this list of conditions and the following disclaimer.
// * Redistributions in binary form must reproduce the above
// copyright notice, this list of conditions and the following disclaimer
// in the documentation and/or other materials provided with the
// distribution.
//
// * Neither the name of Google Inc. nor the names of its
// contributors may be used to endorse or promote products derived from
// this software without specific prior written permission.
//
// THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
// "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
// LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR
// A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT
// OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
// SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
// LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
// DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
// THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
// (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
// OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
```

Copyright 2018, 2020-2021 The gRPC Authors
Copyright 2005-2006, 2008-2009, 2012, 2014-2015 Google Inc
Copyright 2015-2022 gRPC authors

```
grpcio-tools version 1.74.0
<<<<<<<xilinx-separator>>>>>>>>
```

Apache License
Version 2.0, January 2004

<http://www.apache.org/licenses/>

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

- (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and
- (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
- (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
- (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside

or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. **Submission of Contributions.** Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.
6. **Trademarks.** This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.
7. **Disclaimer of Warranty.** Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.
8. **Limitation of Liability.** In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.
9. **Accepting Warranty or Additional Liability.** While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

>>> bsd 3

```
// Protocol Buffers - Google's data interchange format
// Copyright 2008 Google Inc. All rights reserved.
// https://developers.google.com/protocol-buffers/
//
// Redistribution and use in source and binary forms, with or without
// modification, are permitted provided that the following conditions are
// met:
//
// * Redistributions of source code must retain the above copyright
// notice, this list of conditions and the following disclaimer.
// * Redistributions in binary form must reproduce the above
// copyright notice, this list of conditions and the following disclaimer
// in the documentation and/or other materials provided with the
// distribution.
// * Neither the name of Google Inc. nor the names of its
// contributors may be used to endorse or promote products derived from
// this software without specific prior written permission.
//
// THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
// "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
// LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR
// A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT
// OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
// SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
// LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
// DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
// THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
// (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
// OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
```

<<<<<<<xilinx-separator>>>>>>>

=====

Copyright (c) 2008-2013 Andrew Collette and contributors
<http://www.h5py.org>
 All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- a. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- b. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- c. Neither the name of the author nor the names of contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

<<<<<<<xilinx-separator>>>>>>>

Copyright (c) 2021 Peter Odding

Permission is hereby granted, free of charge, to any person obtaining

[Public]

a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright 2021 Peter Odding

Copyright (c) 2021 Peter Odding

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright 2021 Peter Odding

```
idna version 3.1
<<<<<<<xilinx-separator>>>>>>>
BSD 3-Clause License
```

Copyright (c) 2013-2024, Kim Davies and contributors.
All rights reserved.

[Public]

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

```
igraph version 0.11.9
<<<<<<<xilinx-separator>>>>>>>>
```

>>> gpl v2

The text of the GNU General Public License, Version 2, a copy of which is made available below in Part Four of this document, applies to the above-listed file(s).

```
importlib-metadata version 4.11.3
<<<<<<<xilinx-separator>>>>>>>
```

The text of the Apache License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here.

Copyright 2017-2019 Jason R. Coombs Barry Warsaw

```
importlib-metadata version 4.12.0
<<<<<<<xilinx-separator>>>>>>>
```

Copyright 2017-2019 Jason R. Coombs, Barry Warsaw

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.

Vivado ML Lab Solutions Third Party Licensing Guide 2025.10.24 293

Neither the name of the IPython Development Team nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

About the IPython Development Team

The IPython Development Team is the set of all contributors to the IPython project. This includes all of the IPython subprojects.

The core team that coordinates development on GitHub can be found here: <https://github.com/ipython/>.

Our Copyright Policy

IPython uses a shared copyright model. Each contributor maintains copyright over their contributions to IPython. But, it is important to note that these contributions are typically only changes to the repositories. Thus, the IPython source code, in its entirety is not the copyright of any single person or institution. Instead, it is the collective copyright of the entire IPython Development Team. If individual contributors want to maintain a record of what changes/contributions they have specific copyright on, they should indicate their copyright in the commit message of the change, when they commit the change to one of the IPython repositories.

With this in mind, the following banner should be used in any source code file to indicate the copyright and license terms:

```
# Copyright (c) IPython Development Team.  
# Distributed under the terms of the Modified BSD License.
```

```
ipython version 7.29.0  
<<<<<<<<<xilinx-separator>>>>>>>>>>>>
```

BSD 3-Clause License

- Copyright (c) 2008-Present, IPython Development Team
- Copyright (c) 2001-2007, Fernando Perez <fernando.perez@colorado.edu>
- Copyright (c) 2001, Janko Hauser <jhauser@zscout.de>
- Copyright (c) 2001, Nathaniel Gray <n8gray@caltech.edu>

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

```
ipython version 8.31.0
<<<<<<<<<xilinx-separator>>>>>>>>>
```

BSD 3-Clause License

- Copyright (c) 2008-Present, IPython Development Team
- Copyright (c) 2001-2007, Fernando Perez <fernando.perez@colorado.edu>
- Copyright (c) 2001, Janko Hauser <jhauser@zscout.de>
- Copyright (c) 2001, Nathaniel Gray <n8gray@caltech.edu>

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"

AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright 2001-2007 Fernando Perez <fernando.perez@colorado.edu>
Copyright (C) 2010-2011 IPython Development Team. -----
Copyright 2005 Jrgen Stenarson <jorgen.stenarson@bostream.nu>
Copyright 2014-2015 Jonathan Slenders
Copyright 2016 The IPython Team <ipython-dev@scipy.org>
Copyright 2001-2006 Fernando Perez <fperez@colorado.edu>
Copyright 2001 Janko Hauser <jhauser@zscout.de> and
Copyright 2009 Robert Kern. license BSD License
Copyright 2008-2012 IPython Development Team
Copyright 2008, 2012 The IPython Development Team -----
Copyright 2008 Pauli Virtanen <pav@iki.fi>
Copyright 2007 Armin Ronacher
Copyright 2005-2006 Fernando Perez. <Fernando.Perez@colorado.edu>
Copyright 2001 Janko Hauser <jhauser@zscout.de>
Copyright (c) 2001 Janko Hauser <jhauser@zscout.de> -
Copyright 2001 Python Software Foundation www.python.org
Copyright 2001 Nathaniel Gray <n8gray@caltech.edu>
Copyright (c) 2001-2007 Fernando Perez <fernando.perez@colorado.edu> -
Copyright 2001-2007 Fernando Perez. <fperez@colorado.edu>
Copyright (c) 2008-Present IPython Development Team -
Copyright 2005 Fernando Perez <fperez@colorado.edu> Brian E Granger <ellisonbg@gmail.com> Benjamin Ragan-Kelley <benjaminrk@gmail.com>
Copyright 2008-2013, 2018, 2021 The IPython Development Team
Copyright 2000 Thomas Heller

ipython-comm version 0.2.2
<<<<<<<<<xilinx-separator>>>>>>>>>

BSD 3-Clause License

Copyright (c) 2022, Jupyter
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- 3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from

this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

```
ipython-genutils version 0.2.0
<<<<<<<xilinx-separator>>>>>>>
```

Licensing terms

This project is licensed under the terms of the Modified BSD License (also known as New or Revised or 3-Clause BSD), as follows:

- Copyright (c) 2001-, IPython Development Team

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of the IPython Development Team nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

About the IPython Development Team

The IPython Development Team is the set of all contributors to the IPython project. This includes all of the IPython subprojects.

IPython uses a shared copyright model. Each contributor maintains copyright over their contributions to IPython. But, it is important to note that these contributions are typically only changes to the repositories. Thus, the IPython source code, in its entirety is not the copyright of any single person or institution. Instead, it is the collective copyright of the entire IPython Development Team. If individual contributors want to maintain a record of what changes/contributions they have specific copyright on, they should indicate their copyright in the commit message of the change, when they commit the change to one of the IPython repositories.

With this in mind, the following banner should be used in any source code file to indicate the copyright and license terms:

```
# Copyright (c) IPython Development Team.  
# Distributed under the terms of the Modified BSD License.
```

Copyright 2001 IPython Development Team
Copyright (c) 2010-2013 Benjamin Peterson
Copyright 2008-2012 The IPython Development Team

```
ipywidgets version 7.6.5
<<<<<<<xilinx-separator>>>>>>>>
```

Copyright (c) Jupyter Development Team.
Distributed under the terms of the Modified BSD License.

```
ipywidgets version 8.1.5
<<<<<<<xilinx-separator>>>>>>>>
```

Copyright (c) Jupyter Development Team.
Distributed under the terms of the Modified BSD License.

```
isoduration version 20.11.0
<<<<<<<xilinx-separator>>>>>>>
```

Copyright (c) 2020 Víctor Muñoz <victorm@marshland.es>

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

java-cef version 95.0.4638.69

<<<<<<<<<xilinx-separator>>>>>>>>

>>> bsd license

// Copyright (c) 2008-2013 Marshall A. Greenblatt. Portions Copyright (c)

// 2006-2009 Google Inc. All rights reserved.

//

// Redistribution and use in source and binary forms, with or without

// modification, are permitted provided that the following conditions are

// met:

//

// * Redistributions of source code must retain the above copyright

// notice, this list of conditions and the following disclaimer.

// * Redistributions in binary form must reproduce the above

// copyright notice, this list of conditions and the following disclaimer

// in the documentation and/or other materials provided with the

// distribution.

// * Neither the name of Google Inc. nor the name Chromium Embedded

// Framework nor the names of its contributors may be used to endorse

// or promote products derived from this software without specific prior

// written permission.

//

// THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS

// "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT

// LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR

// A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT

// OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,

// SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT

// LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,

// DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY

// THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT

// (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE

// OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

>>> bsd 2

The GlueGen source code is mostly licensed under the New BSD 2-clause license, however it contains other licensed material as well.

Other licensed material is compatible with the 'New BSD 2-Clause License', if not stated otherwise.

'New BSD 2-Clause License' incompatible materials are optional, they are:

NONE

Below you find a detailed list of licenses used in this project.

+++

The content of folder 'make/lib' contains build-time only

Java binaries (JAR) to ease the build setup.

Each JAR file has it's corresponding LICENSE file containing the

source location and license text. None of these binaries are contained in any way
by the generated and deployed GlueGen binaries.

+++

L.1) The GlueGen source tree contains code from the JogAmp Community

which is covered by the Simplified BSD 2-clause license:

Copyright 2010 JogAmp Community. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are
permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of
conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list
of conditions and the following disclaimer in the documentation and/or other materials
provided with the distribution.

THIS SOFTWARE IS PROVIDED BY JogAmp Community ``AS IS" AND ANY EXPRESS OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND
FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL JogAmp Community OR
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON
ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING
NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF
ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The views and conclusions contained in the software and documentation are those of the
authors and should not be interpreted as representing official policies, either expressed
or implied, of JogAmp Community.

You can address the JogAmp Community via:

Web <http://jogamp.org/>
Forum/Mailinglist <http://jogamp.762907.n3.nabble.com/>
Chatrooms
IRC [#jogamp](irc.freenode.net)
Jabber <conference.jabber.org> room: jogamp (deprecated!)
Repository <http://jogamp.org/git/>
Email mediastream_at_jogamp_dot_org

L.2) The GlueGen source tree contains code from Sun Microsystems, Inc.

which is covered by the New BSD 3-clause license:

Copyright (c) 2003-2005 Sun Microsystems, Inc. All Rights Reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- Redistribution of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistribution in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of Sun Microsystems, Inc. or the names of contributors may be used to endorse or promote products derived from this software without specific prior written permission.

This software is provided "AS IS," without a warranty of any kind. ALL EXPRESS OR IMPLIED CONDITIONS, REPRESENTATIONS AND WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT, ARE HEREBY EXCLUDED. SUN MICROSYSTEMS, INC. ("SUN") AND ITS LICENSORS SHALL NOT BE LIABLE FOR ANY DAMAGES SUFFERED BY LICENSEE AS A RESULT OF USING, MODIFYING OR DISTRIBUTING THIS SOFTWARE OR ITS DERIVATIVES. IN NO EVENT WILL SUN OR ITS LICENSORS BE LIABLE FOR ANY LOST REVENUE, PROFIT OR DATA, OR FOR DIRECT, INDIRECT, SPECIAL, CONSEQUENTIAL, INCIDENTAL OR PUNITIVE DAMAGES, HOWEVER CAUSED AND REGARDLESS OF THE THEORY OF LIABILITY, ARISING OUT OF THE USE OF OR INABILITY TO USE THIS SOFTWARE, EVEN IF SUN HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

You acknowledge that this software is not designed or intended for use in the design, construction, operation or maintenance of any nuclear facility.

L.3) The GlueGen source tree contains CGRAM <http://www.antlr.org/grammar/cgram/>, a ANSI-C parser implementation using ANTLR, which is being used in the compile time part only.

It is covered by the Original BSD 4-clause license:

Copyright (c) 1998-2000, Non, Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the following disclaimer in the documentation and/or other materials provided with the distribution.

All advertising materials mentioning features or use of this software must display the following acknowledgement:

This product includes software developed by Non, Inc. and its contributors.

Neither name of the company nor the names of its contributors

may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COMPANY OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

A.1) The GlueGen source tree contains code from The Apache Software Foundation which is covered by the Apache License Version 2.0

Apache Harmony - Open Source Java SE
=====

<<http://harmony.apache.org/>>

Author: The Apache Software Foundation (<http://www.apache.org/>).

Copyright 2006, 2010 The Apache Software Foundation.

Apache License Version 2.0, January 2004
<http://www.apache.org/licenses/LICENSE-2.0>
Or within this repository: doc/licenses/Apache.LICENSE-2.0

Files:
- src/java/com/jogamp/common/net/Uri.java
(derived from java.net.URI.Helper and heavily modified)

A.2) The GlueGen source tree contains code from Ben Mankin, a.k.a 'Shevek', which is covered by the Apache License Version 2.0

JCPP - A Java C Preprocessor
=====

<<http://www.anarres.org/projects/jcpp/>>
<<https://github.com/shevek/jcpp>>

Author: Ben Mankin, a.k.a 'Shevek' (<http://www.anarres.org/about/>).

Copyright (c) 2007-2008, Shevek

Apache License Version 2.0, January 2004
<http://www.apache.org/licenses/LICENSE-2.0>
Or within this repository: doc/licenses/Apache.LICENSE-2.0

Files:
The complete git submodule 'jcpp',
which is a patched version of the original mentioned above.

Used for the compile-time module gluegen.jar only.

>>>jogl license

The JOGL source code is mostly licensed under the 'New BSD 2-Clause License', however it contains other licensed material as well. Other licensed material is compatible with the 'New BSD 2-Clause License', if not stated otherwise. 'New BSD 2-Clause License' incompatible materials are optional, they are: A.7) The JOGL source tree _may_ contain code from Oculus VR, Inc.

which is covered by its own permissive Oculus VR Rift SDK Software License. (Optional, see A.7 below for details)

Below you find a detailed list of licenses used in this project.

+++ The content of folder 'make/lib' contains build- and test-time only Java binaries (JAR) to ease the build setup. Each JAR file has its corresponding LICENSE file containing the source location and license text. None of these binaries are contained in any way by the generated and deployed JOGL binaries. +++

L.1) The JOGL source tree contains code from the JogAmp Community which is covered by the Simplified BSD 2-clause license:

Copyright 2010 JogAmp Community. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the

documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY JogAmp Community ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL JogAmp Community OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. The views and conclusions contained in the software and documentation are those of the authors and should not be interpreted as representing official policies, either expressed or implied, of JogAmp Community. You can address the JogAmp Community via: Web <http://jogamp.org/> Forum/Mailinglist <http://forum.jogamp.org> Chatrooms IRC [#jogamp](http://irc.freenode.net) Jabber conference.jabber.org room: jogamp (deprecated!) Repository <http://jogamp.org/git/> Email mediastream_at_jogamp_dot_org L.2) The JOGL source tree contains code from Sun Microsystems, Inc.

which is covered by the New BSD 3-clause license: Copyright (c) 2003-2009 Sun Microsystems, Inc. All Rights Reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- Redistribution of source code must retain the above copyright notice, this list of conditions and the following disclaimer. - Redistribution in binary form must reproduce the above copyright notice, this list of

f conditions and the following disclaimer in the documentat
ion and/or other materials provided with the distribution.

Neither the name of Sun Microsystems, Inc. or the names of
contributors may be used to endorse or promote products derived
from this software without specific prior written permission.

This software is provided "AS IS," without a warranty of
any kind. ALL EXPRESS OR IMPLIED CONDITIONS, REPRESENTATIONS
AND WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTAB
ILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT,
ARE HEREBY EXCLUDED. SUN MICROSYSTEMS, INC. ("SUN") AND ITS L
ICENSORS SHALL NOT BE LIABLE FOR ANY DAMAGES SUFFERED BY LICE
NSEE AS A RESULT OF USING, MODIFYING OR DISTRIBUTING THIS SOF
TWARE OR ITS DERIVATIVES. IN NO EVENT WILL SUN OR ITS LICENSO
RS BE LIABLE FOR ANY LOST REVENUE, PROFIT OR DATA, OR FOR DIR
ECT, INDIRECT, SPECIAL, CONSEQUENTIAL, INCIDENTAL OR PUNITIVE
DAMAGES, HOWEVER CAUSED AND REGARDLESS OF THE THEORY OF LIABILI
TY, ARISING OUT OF THE USE OF OR INABILITY TO USE THIS SOFTWA
RE, EVEN IF SUN HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH D
AMAGES. You acknowledge that this software is not designe

d or intended for use in the design, construction, operation
or maintenance of any nuclear facility. L.3) The JOGL source
tree contains code ported from the OpenGL sample implement
ation by Silicon Graphics, Inc. This code is licensed under
the SGI Free Software License B, Version 2.0 License Applic
ability. Except to the extent portions of this file are made
subject to an alternative license as permitted in the SGI Free
Software License B, Version 2.0 (the "License"), the contents
of this file are subject only to the provisions of the Licens
e. You may not use this file except in compliance with the Li
cense. You may obtain a copy of the License at Silicon Graphi
cs, Inc., attn: Legal Services, 1600 Amphitheatre Parkway, Mo
untain View, CA 94043-1351, or at: [http://oss.sgi.com/pro](http://oss.sgi.com/projects/FreeB)
[http://oss.sgi.com/projects/FreeB/SGIFreeSWLicB.2](http://oss.sgi.com/projects/FreeB/SGIFreeSWLicB.2.0.pdf)
[.0.pdf](http://oss.sgi.com/projects/FreeB/SGIFreeSWLicB.2.0.pdf) Or within this repository: [doc/licenses/SGIFreeSWLicB.](http://oss.sgi.com/projects/FreeB/SGIFreeSWLicB.2.0.pdf)
[2.0.pdf](http://oss.sgi.com/projects/FreeB/SGIFreeSWLicB.2.0.pdf)

Note that, as provided in the License, the Softwa
re is distributed on an "AS IS" basis, with ALL EXPRESS AND I
MPLIED WARRANTIES AND CONDITIONS DISCLAIMED, INCLUDING, WITHO
UT LIMITATION, ANY IMPLIED WARRANTIES AND CONDITIONS OF MERCH
ANTABILITY, SATISFACTORY QUALITY, FITNESS FOR A PARTICULAR PU
RPOSE, AND NON-INFRINGEMENT. L.4) The JOGL source tree contains
code from the LWJGL project which is similarly covered by
the New BSD 3-clause license: Copyright (c) 2002-2004 LWJGL
Project All rights reserved. Redistribution and use in
source and binary forms, with or without modification, are p
ermitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyr
ight notice, this list of conditions and the following dis
claimer.
- * Redistributions in binary form must reproduce t
he above copyright notice, this list of conditions and the
following disclaimer in the documentation and/or other mate
rials provided with the distribution.
- * Neither the name o
f 'LWJGL' nor the names of its contributors may be used to
endorse or promote products derived from this software wi
thout specific prior written permission.

THIS SOFTWARE IS
PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" A
ND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED
TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FO
R A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE

COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

L.5) The JOGL source tree also contains a Java port of Brian Paul's Tile Rendering library, used with permission of the author under the New BSD 3-clause license instead of the original LGPL: Copyright (c) 1997-2005 Brian Paul. All Rights Reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- Redistribution of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistribution in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of Brian Paul or the names of contributors may be used to endorse or promote products derived from this software without specific prior written permission. This software is provided "AS IS," without a warranty of any kind. ALL EXPRESS OR IMPLIED CONDITIONS, REPRESENTATIONS AND WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT, ARE HEREBY EXCLUDED. THE COPYRIGHT HOLDERS AND CONTRIBUTORS SHALL NOT BE LIABLE FOR ANY DAMAGES SUFFERED BY LICENSEE AS A RESULT OF USING, MODIFYING OR DISTRIBUTING THIS SOFTWARE OR ITS DERIVATIVES. IN NO EVENT WILL THE COPYRIGHT HOLDERS OR CONTRIBUTORS BE LIABLE FOR ANY LOST REVENUE, PROFIT OR DATA, OR FOR DIRECT, INDIRECT, SPECIAL, CONSEQUENTIAL, INCIDENTAL OR PUNITIVE DAMAGES, HOWEVER CAUSED AND REGARDLESS OF THE THEORY OF LIABILITY, ARISING OUT OF THE USE OF OR INABILITY TO USE THIS SOFTWARE, EVEN IF THE COPYRIGHT HOLDERS OR CONTRIBUTORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

A.1) The JOGL source tree also contains header files from Khronos, reflecting OpenKODE, EGL, OpenGL ES1, OpenGL ES2 and OpenGL. <http://www.khronos.org/legal/license/> Files: `make/stub_includes/opengl/**` `make/stub_includes/egl/**` `make/stub_includes/khr/**` `make/stub_includes/openmax/**` Copyright (c) 2007-2010 The Khronos Group Inc. Permission is hereby granted, free of charge, to any person obtaining a copy of this software and/or associated documentation files (the "Materials"), to deal in the Materials without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Materials, and to permit persons to whom the Materials are furnished to do so, subject to the following conditions:

- The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Materials.

THE MATERIALS ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR

OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE MATERIALS OR THE USE OR OTHER DEALINGS IN THE MATERIALS. A.2) The JOGL source tree contains code from The Apache Software Foundation which is covered by the Apache License Version 2.0

Apache Harmony - Open Source Java SE =====
 ===== <<http://harmony.apache.org/>> Author: The Apache Software Foundation (<http://www.apache.org/>). Copyright 2006, 2010 The Apache Software Foundation. Apache License Version 2.0, January 2004 <http://www.apache.org/licenses/LICENSE-2.0> Or within this repository: doc/licenses/Apache.LICENSE-2.0 Files: src/jogamp/graph/geom/plane/AffineTransform.java src/jogamp/graph/geom/plane/IllegalPathStateException.java src/jogamp/graph/geom/plane/NoninvertibleTransformException.java src/jogamp/graph/geom/plane/PathIterator.java src/jogamp/graph/math/plane/Path2D.java src/jogamp/graph/math/plane/Crossing.java src/org/apache/harmony/misc/HashCode.java A.3) The JOGL source tree contains code from David Schweinsberg which is covered by the Apache License Version 1.1 and Version 2.0 Typecast ===== Typecast is a font development environment for OpenType font technology. <<https://java.net/projects/typecast>> Author: David Schweinsberg Copyright (C) 1999-2003 The Apache Software Foundation. All rights reserved. Apache License <http://www.apache.org/licenses/> Apache License Version 1.1 <http://www.apache.org/licenses/LICENSE-1.1> Or within this repository: doc/licenses/Apache.LICENSE-1.1 Files: src/jogl/classes/jogamp/graph/font/typecast/ot/* src/jogl/classes/jogamp/graph/font/typecast/ot/table/* Apache License Version 2.0 <http://www.apache.org/licenses/LICENSE-2.0> Or within this repository: doc/licenses/Apache.LICENSE-2.0 src/jogl/classes/jogamp/graph/font/typecast/ot/* src/jogl/classes/jogamp/graph/font/typecast/ot/mac/* src/jogl/classes/jogamp/graph/font/typecast/ot/table/* src/jogl/classes/jogamp/graph/font/typecast/tt/engine/* A.4) The JOGL source tree contains fonts from Ubuntu which is covered by the UBUNTU FONT LICENCE Version 1.0 Ubuntu Font Family ===== The Ubuntu Font Family are libre fonts funded by Canonical Ltd on behalf of the Ubuntu project. <<http://font.ubuntu.com/>> Copyright 2010 Canonical Ltd. Licensed under the Ubuntu Font Licence 1.0 Author: Canonical Ltd., Dalton Maag UBUNTU FONT LICENCE Version 1.0 <http://font.ubuntu.com/ufl/ubuntu-font-licence-1.0.txt> Or within this repository: doc/licenses/ubuntu-font-licence-1.0.txt Files: src/jogamp/graph/font/fonts/ubuntu/* A.5) The JOGL source tree also contains header files from NVIDIA, reflecting Cg. Files: make/stub_includes/cg/CG/** Copyright (c) 2002, NVIDIA Corporation NVIDIA Corporation("NVIDIA") supplies this software to you in consideration of your agreement to the following terms, and your use, installation, modification or redistribution of this NVIDIA software constitutes acceptance of these terms. If you do not agree with these terms, please do not use, install, modify or redistribute this NVIDIA software. In consideration of your agreement to abide by the following terms, and subject to these terms, NVIDIA grants you a personal, non-exclusive license, under NVIDIA's copyrights in this original NVIDIA software (the "NVIDIA Software"), to use, reproduce, modify and redistribute the NVIDIA Software, with or without modifications, in source and/or binary forms; provided that if you redistribute the

NVIDIA Software, you must retain the copyright notice of NVIDIA, this notice and the following text and disclaimers in all such redistributions of the NVIDIA Software. Neither the name, trademarks, service marks nor logos of NVIDIA Corporation may be used to endorse or promote products derived from the NVIDIA Software without specific prior written permission from NVIDIA. Except as expressly stated in this notice, no other rights or licenses express or implied, are granted by NVIDIA herein, including but not limited to any patent rights that may be infringed by your derivative works or by other works in which the NVIDIA Software may be incorporated. No hardware is licensed hereunder.

THE NVIDIA SOFTWARE IS BEING PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ITS USE AND OPERATION EITHER ALONE OR IN COMBINATION WITH OTHER PRODUCTS. IN NO EVENT SHALL NVIDIA BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL, EXEMPLARY, CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, LOST PROFITS; PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) OR ARISING IN ANY WAY OUT OF THE USE, REPRODUCTION, MODIFICATION AND/OR DISTRIBUTION OF THE NVIDIA SOFTWARE, HOWEVER CAUSED AND WHETHER UNDER THEORY OF CONTRACT, TORT (INCLUDING NEGLIGENCE), STRICT LIABILITY OR OTHERWISE, EVEN IF NVIDIA HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

A.6) The JOGL source tree contains code from Hernan J. Gonzalez and Shawn Hartsock which is covered by the Apache License Version 2.0 PNGJ: Java library for reading and writing PNG images. Version 1.12 (3 Dec 2012) <<http://code.google.com/p/pngj/>> Author: Hernan J. Gonzalez and Shawn Hartsock Copyright (C) 2004 The Apache Software Foundation. All rights reserved. Apache Licenses <http://www.apache.org/licenses/> Apache License Version 2.0 <http://www.apache.org/licenses/LICENSE-2.0> Or within this repository: doc/licenses/Apache.LICENSE-2.0 src/jogl/classes/jogamp/opengl/util/pngj/**

A.7) The JOGL source tree may contain code from Oculus VR, Inc. which is covered by its own permissive Oculus VR Rift SDK Software License. This code can be included to produce a binding and hence support for the Oculus VR Rift. The code is included and its build artifacts will be released, if the git sub-module oculusvr-sdk is included in the jogl source repository as true for current official JogAmp builds and releases! If using JogAmp JOGL builds with oculusvr-sdk support, but the user prefers to not use it for license or other reasons, the user can simply remove the artifacts 'jar/atomics/oculusvr*jar'. No other produced artifact is affected. While the Oculus VR Rift SDK Software License is permissive, its differences to the New BSD license shall be mentioned, see below! +++++++

+++++++ Copyright 2014 Oculus VR, Inc. All rights reserved. Oculus VR, Inc. Software Development Kit License Agreement Human-Readable Summary:

- You are Free to:
 - Use, modify, and distribute the Oculus VR Rift SDK in source and binary form with your applications/software.
 - With the Following Restrictions:
 - You can only distribute or re-distribute the source code to LibOVR in

Copyright 1990-1994 Adobe Systems Inc
Copyright 2019 Google LLC CC-BY-SA
Copyright 1997-2005 Brian Paul
Copyright 1806, 2006, 2008 VeriSign Inc. - For authorized
Copyright 2002 NVIDIA Corp
Copyright 1998-2000 Ajuba Solutions
Copyright 1999-2004, 2006, 2010 The Apache Software Foundation
Copyright 2007-2010 The Khronos Group Inc
Copyright 2010 JogAmp Community
Copyright 2010 Canonical Ltd
Copyright 2002-2004 LWJGL Project
8Ph
Copyright 2007-2008 Shevek
Copyright 2014 Oculus VR Inc
Copyright 1995-2009 Sun Microsystems Inc
Copyright 1998-1999 Henry Spencer
Copyright 1991-2021 The libjpeg-turbo Project and many others
Copyright 1998-2000 Non Inc
Copyright 1604, 2008 GeoTrust Inc. - For authorized
Copyright 1200, 1301, 2009, 2012, 2015 Entrust Inc. - for authorized
{ }0 HXhx(8HXh
Copyright 2004-2011 Oasys Design Systems Inc
Copyright 2018 The Crashpad Authors
Copyright 2015 the original author or authors

```
javafx-base version 21.0.5
<<<<<<<xilinx-separator>>>>>>>
```

>>> GPL 2.0 with Classpath Exception

* Copyright (c) 2011, 2013, Oracle and/or its affiliates. All rights reserved.
* DO NOT ALTER OR REMOVE COPYRIGHT NOTICES OR THIS FILE HEADER.
*
* This code is free software; you can redistribute it and/or modify it
* under the terms of the GNU General Public License version 2 only, as
* published by the Free Software Foundation. Oracle designates this

[Public]

* particular file as subject to the "Classpath" exception as provided
* by Oracle in the LICENSE file that accompanied this code.
*
* This code is distributed in the hope that it will be useful, but WITHOUT
* ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or
* FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License
* version 2 for more details (a copy is included in the LICENSE file that
* accompanied this code).
*
* You should have received a copy of the GNU General Public License version
* 2 along with this work; if not, write to the Free Software Foundation,
* Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA.
*
* Please contact Oracle, 500 Oracle Parkway, Redwood Shores, CA 94065 USA
* or visit www.oracle.com if you need additional information or have any
* questions.
*/

>>> OpenJDK Assembly Exception 1.0

OPENJDK ASSEMBLY EXCEPTION

The OpenJDK source code made available by Oracle America, Inc. (Oracle) at openjdk.java.net ("OpenJDK Code") is distributed under the terms of the GNU General Public License <<http://www.gnu.org/copyleft/gpl.html>> version 2 only ("GPL2"), with the following clarification and special exception.

Linking this OpenJDK Code statically or dynamically with other code is making a combined work based on this library. Thus, the terms and conditions of GPL2 cover the whole combination.

As a special exception, Oracle gives you permission to link this OpenJDK Code with certain code licensed by Oracle as indicated at <http://openjdk.java.net/legal/exception-modules-2007-05-08.html> ("Designated Exception Modules") to produce an executable, regardless of the license terms of the Designated Exception Modules, and to copy and distribute the resulting executable under GPL2, provided that the Designated Exception Modules continue to be governed by the licenses under which they were offered by Oracle.

As such, it allows licensees and sublicensees of Oracle's GPL2 OpenJDK Code to build an executable that includes those portions of necessary code that Oracle could not provide under GPL2 (or that Oracle has provided under GPL2 with the Classpath exception). If you modify or add to the OpenJDK code, that new GPL2 code may still be combined with Designated Exception Modules if the new code is made subject to this exception by its copyright holder.

>>>MIT

Copyright (c) 1992-2004 Microsoft Corporation. All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

>>>Independent JPEG Group License

The authors make NO WARRANTY or representation, either express or implied, with respect to this software, its quality, accuracy, merchantability, or fitness for a particular purpose. This software is provided "AS IS", and you, its user, assume the entire risk as to its quality and accuracy.

This software is copyright (C) 1991-2022, Thomas G. Lane, Guido Vollbeding. All Rights Reserved except as specified below.

Permission is hereby granted to use, copy, modify, and distribute this software (or portions thereof) for any purpose, without fee, subject to these conditions:

- (1) If any part of the source code for this software is distributed, then this README file must be included, with this copyright and no-warranty notice unaltered; and any additions, deletions, or changes to the original files must be clearly indicated in accompanying documentation.
- (2) If only executable code is distributed, then the accompanying documentation must state that "this software is based in part on the work of the Independent JPEG Group".
- (3) Permission for use of this software is granted only if the user accepts full responsibility for any undesirable consequences; the authors accept NO LIABILITY for damages of any kind.

These conditions apply to any software derived from or based on the IJG code, not just to the unmodified library. If you use our work, you ought to acknowledge us.

Permission is NOT granted for the use of any IJG author's name or company name in advertising or publicity relating to this software or products derived from it. This software may be referred to only as "the Independent JPEG Group's software".

We specifically permit and encourage the use of this software as the basis of commercial products, provided that all warranty or liability claims are assumed by the product vendor.

>>> LGPL 2.1

GNU LESSER GENERAL PUBLIC LICENSE Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
- b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
- c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally

[Public]

accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

- a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
- b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

```
<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>
```

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

```
<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice
```

That's all there is to it!

>>> Public Domain

The below license applies to the following files:
glib/glib/win_iconv.c

iconv library implemented with Win32 API.

This file is placed in the public domain.

>>> BSD-3

Copyright (c) 2003-2010, Mark Borgerding. All rights reserved.

This file is part of KISS FFT - <https://github.com/mborgerding/kissfft>

SPDX-License-Identifier: BSD-3-Clause

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

>>>X11

Copyright (C) 2001-2002 Thomas Broyer, Charlie Bozeman and Daniel Veillard.
All Rights Reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of the authors shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from him.

>>>

UNICODE, INC. LICENSE AGREEMENT - DATA FILES AND SOFTWARE

See Terms of Use <<https://www.unicode.org/copyright.html>>

for definitions of Unicode Inc.'s Data Files and Software.

NOTICE TO USER: Carefully read the following legal agreement.
BY DOWNLOADING, INSTALLING, COPYING OR OTHERWISE USING UNICODE INC.'S
DATA FILES ("DATA FILES"), AND/OR SOFTWARE ("SOFTWARE"),
YOU UNEQUIVOCALLY ACCEPT, AND AGREE TO BE BOUND BY, ALL OF THE
TERMS AND CONDITIONS OF THIS AGREEMENT.
IF YOU DO NOT AGREE, DO NOT DOWNLOAD, INSTALL, COPY, DISTRIBUTE OR USE
THE DATA FILES OR SOFTWARE.

COPYRIGHT AND PERMISSION NOTICE

Copyright © 1991-2023 Unicode, Inc. All rights reserved.
Distributed under the Terms of Use in <https://www.unicode.org/copyright.html>.

Permission is hereby granted, free of charge, to any person obtaining
a copy of the Unicode data files and any associated documentation
(the "Data Files") or Unicode software and any associated documentation
(the "Software") to deal in the Data Files or Software
without restriction, including without limitation the rights to use,
copy, modify, merge, publish, distribute, and/or sell copies of
the Data Files or Software, and to permit persons to whom the Data Files
or Software are furnished to do so, provided that either
(a) this copyright and permission notice appear with all copies
of the Data Files or Software, or
(b) this copyright and permission notice appear in associated
Documentation.

THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF
ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE
WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
NONINFRINGEMENT OF THIRD PARTY RIGHTS.
IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS
NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL
DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE,
DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER
TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR
PERFORMANCE OF THE DATA FILES OR SOFTWARE.

Except as contained in this notice, the name of a copyright holder
shall not be used in advertising or otherwise to promote the sale,
use or other dealings in these Data Files or Software without prior
written authorization of the copyright holder.

>>>

ICU License - ICU 1.8.1 to ICU 57.1

COPYRIGHT AND PERMISSION NOTICE

Copyright (c) 1995-2016 International Business Machines Corporation and others
All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining
a copy of this software and associated documentation files (the
"Software"), to deal in the Software without restriction, including
without limitation the rights to use, copy, modify, merge, publish,
distribute, and/or sell copies of the Software, and to permit persons

to whom the Software is furnished to do so, provided that the above copyright notice(s) and this permission notice appear in all copies of the Software and that both the above copyright notice(s) and this permission notice appear in supporting documentation.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization of the copyright holder.

All trademarks and registered trademarks mentioned herein are the property of their respective owners.

>>> Nara Institute of Science and Technology License (2003)

```
# Use, reproduction, and distribution of this software is permitted.
# Any copy of this software, whether in its original form or modified,
# must include both the above copyright notice and the following
# paragraphs.
#
# Nara Institute of Science and Technology (NAIST),
# the copyright holders, disclaims all warranties with regard to this
# software, including all implied warranties of merchantability and
# fitness, in no event shall NAIST be liable for
# any special, indirect or consequential damages or any damages
# whatsoever resulting from loss of use, data or profits, whether in an
# action of contract, negligence or other tortuous action, arising out
# of or in connection with the use or performance of this software.
#
# A large portion of the dictionary entries
# originate from ICOT Free Software. The following conditions for ICOT
# Free Software applies to the current dictionary as well.
#
# Each User may also freely distribute the Program, whether in its
# original form or modified, to any third party or parties, PROVIDED
# that the provisions of Section 3 ("NO WARRANTY") will ALWAYS appear
# on, or be attached to, the Program, which is distributed substantially
# in the same form as set out herein and that such intended
# distribution, if actually made, will neither violate or otherwise
# contravene any of the laws and regulations of the countries having
# jurisdiction over the User or the intended distribution itself.
#
# NO WARRANTY
#
# The program was produced on an experimental basis in the course of the
# research and development conducted during the project and is provided
# to users as so produced on an experimental basis. Accordingly, the
```

```
# program is provided without any warranty whatsoever, whether express,
# implied, statutory or otherwise. The term "warranty" used herein
# includes, but is not limited to, any warranty of the quality,
# performance, merchantability and fitness for a particular purpose of
# the program and the nonexistence of any infringement or violation of
# any right of any third party.
#
# Each user of the program will agree and understand, and be deemed to
# have agreed and understood, that there is no warranty whatsoever for
# the program and, accordingly, the entire risk arising from or
# otherwise connected with the program is assumed by the user.
#
# Therefore, neither ICOT, the copyright holder, or any other
# organization that participated in or was otherwise related to the
# development of the program and their respective officials, directors,
# officers and other employees shall be held liable for any and all
# damages, including, without limitation, general, special, incidental
# and consequential damages, arising out of or otherwise in connection
# with the use or inability to use the program or any product, material
# or result produced or otherwise obtained by using the program,
# regardless of whether they have been advised of, or otherwise had
# knowledge of, the possibility of such damages at any time during the
# project or thereafter. Each user will be deemed to have agreed to the
# foregoing by his or her commencement of use of the program. The term
# "use" as used herein includes, but is not limited to, the use,
# modification, copying and distribution of the program and the
# production of secondary products from the program.
#
# In the case where the program, whether in its original form or
# modified, was distributed or delivered to or received by a user from
# any person, organization or entity other than ICOT, unless it makes or
# grants independently of ICOT any specific warranty to the user in
# writing, such person, organization or entity, will also be exempted
# from and not be held liable to the user for any such damages as noted
# above as far as the program is concerned.
```

>>> BSD-2

```
Redistribution and use in source and binary forms, with or without
# modification, are permitted provided that the following conditions are met:
#
# Redistributions of source code must retain the above copyright notice, this
# list of conditions and the following disclaimer. Redistributions in binary
# form must reproduce the above copyright notice, this list of conditions and
# the following disclaimer in the documentation and/or other materials
# provided with the distribution.
#
# THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
# "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
# LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
# FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
# COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT,
# INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
# (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
# SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
# HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
# STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
# ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
# OF THE POSSIBILITY OF SUCH DAMAGE.
```

>>>MPL 2.0

The below license applies to the following files:
Source/WTF/wtf/text/EscapedFormsForJSON.h
Source/WTF/wtf/text/StringBuilderJSON.cpp

Copyright (C) 2010-2018 Apple Inc. All rights reserved.
Copyright (C) 2012 Google Inc. All rights reserved.
Copyright (C) 2017 Yusuke Suzuki <utatane.tea@gmail.com>. All rights reserved.
Copyright (C) 2017 Mozilla Foundation. All rights reserved.

Mozilla Public License Version 2.0

=====

1. Definitions

1.1. "Contributor"

means each individual or legal entity that creates, contributes to the creation of, or owns Covered Software.

1.2. "Contributor Version"

means the combination of the Contributions of others (if any) used by a Contributor and that particular Contributor's Contribution.

1.3. "Contribution"

means Covered Software of a particular Contributor.

1.4. "Covered Software"

means Source Code Form to which the initial Contributor has attached the notice in Exhibit A, the Executable Form of such Source Code Form, and Modifications of such Source Code Form, in each case including portions thereof.

1.5. "Incompatible With Secondary Licenses"

means

(a) that the initial Contributor has attached the notice described in Exhibit B to the Covered Software; or

(b) that the Covered Software was made available under the terms of version 1.1 or earlier of the License, but not also under the terms of a Secondary License.

1.6. "Executable Form"

means any form of the work other than Source Code Form.

1.7. "Larger Work"

means a work that combines Covered Software with other material, in a separate file or files, that is not Covered Software.

1.8. "License"

means this document.

1.9. "Licensable"

means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently, any and

all of the rights conveyed by this License.

1.10. "Modifications"

means any of the following:

- (a) any file in Source Code Form that results from an addition to, deletion from, or modification of the contents of Covered Software; or
- (b) any new file in Source Code Form that contains any Covered Software.

1.11. "Patent Claims" of a Contributor

means any patent claim(s), including without limitation, method, process, and apparatus claims, in any patent Licensable by such Contributor that would be infringed, but for the grant of the License, by the making, using, selling, offering for sale, having made, import, or transfer of either its Contributions or its Contributor Version.

1.12. "Secondary License"

means either the GNU General Public License, Version 2.0, the GNU Lesser General Public License, Version 2.1, the GNU Affero General Public License, Version 3.0, or any later versions of those licenses.

1.13. "Source Code Form"

means the form of the work preferred for making modifications.

1.14. "You" (or "Your")

means an individual or a legal entity exercising rights under this License. For legal entities, "You" includes any entity that controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants and Conditions

2.1. Grants

Each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

- (a) under intellectual property rights (other than patent or trademark) Licensable by such Contributor to use, reproduce, make available, modify, display, perform, distribute, and otherwise exploit its Contributions, either on an unmodified basis, with Modifications, or as part of a Larger Work; and
- (b) under Patent Claims of such Contributor to make, use, sell, offer for sale, have made, import, and otherwise transfer either its Contributions or its Contributor Version.

2.2. Effective Date

The licenses granted in Section 2.1 with respect to any Contribution become effective for each Contribution on the date the Contributor first distributes such Contribution.

2.3. Limitations on Grant Scope

The licenses granted in this Section 2 are the only rights granted under this License. No additional rights or licenses will be implied from the distribution or licensing of Covered Software under this License. Notwithstanding Section 2.1(b) above, no patent license is granted by a Contributor:

- (a) for any code that a Contributor has removed from Covered Software; or
- (b) for infringements caused by: (i) Your and any other third party's modifications of Covered Software, or (ii) the combination of its Contributions with other software (except as part of its Contributor Version); or
- (c) under Patent Claims infringed by Covered Software in the absence of its Contributions.

This License does not grant any rights in the trademarks, service marks, or logos of any Contributor (except as may be necessary to comply with the notice requirements in Section 3.4).

2.4. Subsequent Licenses

No Contributor makes additional grants as a result of Your choice to distribute the Covered Software under a subsequent version of this License (see Section 10.2) or under the terms of a Secondary License (if permitted under the terms of Section 3.3).

2.5. Representation

Each Contributor represents that the Contributor believes its Contributions are its original creation(s) or it has sufficient rights to grant the rights to its Contributions conveyed by this License.

2.6. Fair Use

This License is not intended to limit any rights You have under applicable copyright doctrines of fair use, fair dealing, or other equivalents.

2.7. Conditions

Sections 3.1, 3.2, 3.3, and 3.4 are conditions of the licenses granted in Section 2.1.

3. Responsibilities

3.1. Distribution of Source Form

All distribution of Covered Software in Source Code Form, including any

Modifications that You create or to which You contribute, must be under the terms of this License. You must inform recipients that the Source Code Form of the Covered Software is governed by the terms of this License, and how they can obtain a copy of this License. You may not attempt to alter or restrict the recipients' rights in the Source Code Form.

3.2. Distribution of Executable Form

If You distribute Covered Software in Executable Form then:

- (a) such Covered Software must also be made available in Source Code Form, as described in Section 3.1, and You must inform recipients of the Executable Form how they can obtain a copy of such Source Code Form by reasonable means in a timely manner, at a charge no more than the cost of distribution to the recipient; and
- (b) You may distribute such Executable Form under the terms of this License, or sublicense it under different terms, provided that the license for the Executable Form does not attempt to limit or alter the recipients' rights in the Source Code Form under this License.

3.3. Distribution of a Larger Work

You may create and distribute a Larger Work under terms of Your choice, provided that You also comply with the requirements of this License for the Covered Software. If the Larger Work is a combination of Covered Software with a work governed by one or more Secondary Licenses, and the Covered Software is not Incompatible With Secondary Licenses, this License permits You to additionally distribute such Covered Software under the terms of such Secondary License(s), so that the recipient of the Larger Work may, at their option, further distribute the Covered Software under the terms of either this License or such Secondary License(s).

3.4. Notices

You may not remove or alter the substance of any license notices (including copyright notices, patent notices, disclaimers of warranty, or limitations of liability) contained within the Source Code Form of the Covered Software, except that You may alter any license notices to the extent required to remedy known factual inaccuracies.

3.5. Application of Additional Terms

You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, You may do so only on Your own behalf, and not on behalf of any Contributor. You must make it absolutely clear that any such warranty, support, indemnity, or liability obligation is offered by You alone, and You hereby agree to indemnify every Contributor for any liability incurred by such Contributor as a result of warranty, support, indemnity or liability terms You offer. You may include additional disclaimers of warranty and limitations of liability specific to any jurisdiction.

4. Inability to Comply Due to Statute or Regulation

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Software due to statute, judicial order, or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be placed in a text file included with all distributions of the Covered Software under this License. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it.

5. Termination

5.1. The rights granted under this License will terminate automatically if You fail to comply with any of its terms. However, if You become compliant, then the rights granted under this License from a particular Contributor are reinstated (a) provisionally, unless and until such Contributor explicitly and finally terminates Your grants, and (b) on an ongoing basis, if such Contributor fails to notify You of the non-compliance by some reasonable means prior to 60 days after You have come back into compliance. Moreover, Your grants from a particular Contributor are reinstated on an ongoing basis if such Contributor notifies You of the non-compliance by some reasonable means, this is the first time You have received notice of non-compliance with this License from such Contributor, and You become compliant prior to 30 days after Your receipt of the notice.

5.2. If You initiate litigation against any entity by asserting a patent infringement claim (excluding declaratory judgment actions, counter-claims, and cross-claims) alleging that a Contributor Version directly or indirectly infringes any patent, then the rights granted to You by any and all Contributors for the Covered Software under Section 2.1 of this License shall terminate.

5.3. In the event of termination under Sections 5.1 or 5.2 above, all end user license agreements (excluding distributors and resellers) which have been validly granted by You or Your distributors under this License prior to termination shall survive termination.

* * *
* 6. Disclaimer of Warranty *
* ----- *
* *
* Covered Software is provided under this License on an "as is" *
* basis, without warranty of any kind, either expressed, implied, or *
* statutory, including, without limitation, warranties that the *
* Covered Software is free of defects, merchantable, fit for a *
* particular purpose or non-infringing. The entire risk as to the *
* quality and performance of the Covered Software is with You. *
* Should any Covered Software prove defective in any respect, You *
* (not any Contributor) assume the cost of any necessary servicing, *
* repair, or correction. This disclaimer of warranty constitutes an *
* essential part of this License. No use of any Covered Software is *
* authorized under this License except under this disclaimer. *
* *

* *
* 7. Limitation of Liability *
* ----- *
* *
* Under no circumstances and under no legal theory, whether tort *
* (including negligence), contract, or otherwise, shall any *
* Contributor, or anyone who distributes Covered Software as *
* permitted above, be liable to You for any direct, indirect, *
* special, incidental, or consequential damages of any character *
* including, without limitation, damages for lost profits, loss of *
* goodwill, work stoppage, computer failure or malfunction, or any *
* and all other commercial damages or losses, even if such party *
* shall have been informed of the possibility of such damages. This *
* limitation of liability shall not apply to liability for death or *
* personal injury resulting from such party's negligence to the *
* extent applicable law prohibits such limitation. Some *
* jurisdictions do not allow the exclusion or limitation of *
* incidental or consequential damages, so this exclusion and *
* limitation may not apply to You. *
* *

8. Litigation

Any litigation relating to this License may be brought only in the courts of a jurisdiction where the defendant maintains its principal place of business and such litigation shall be governed by laws of that jurisdiction, without reference to its conflict-of-law provisions. Nothing in this Section shall prevent a party's ability to bring cross-claims or counter-claims.

9. Miscellaneous

This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not be used to construe this License against a Contributor.

10. Versions of the License

10.1. New Versions

Mozilla Foundation is the license steward. Except as provided in Section 10.3, no one other than the license steward has the right to modify or publish new versions of this License. Each version will be given a distinguishing version number.

10.2. Effect of New Versions

You may distribute the Covered Software under the terms of the version of the License under which You originally received the Covered Software,

or under the terms of any subsequent version published by the license steward.

10.3. Modified Versions

If you create software not governed by this License, and you want to create a new license for such software, you may create and use a modified version of this License if you rename the license and remove any references to the name of the license steward (except to note that such modified license differs from this License).

10.4. Distributing Source Code Form that is Incompatible With Secondary Licenses

If You choose to distribute Source Code Form that is Incompatible With Secondary Licenses under the terms of this version of the License, the notice described in Exhibit B of this License must be attached.

Exhibit A - Source Code Form License Notice

This Source Code Form is subject to the terms of the Mozilla Public License, v. 2.0. If a copy of the MPL was not distributed with this file, You can obtain one at <http://mozilla.org/MPL/2.0/>.

If it is not possible or desirable to put the notice in a particular file, then You may include the notice in a location (such as a LICENSE file in a relevant directory) where a recipient would be likely to look for such a notice.

You may add additional accurate notices of copyright ownership.

Exhibit B - "Incompatible With Secondary Licenses" Notice

This Source Code Form is "Incompatible With Secondary Licenses", as defined by the Mozilla Public License, v. 2.0.

>>> Apache 2.0

The below license applies to the following files:

Source/WTF/wtf/Int128.cpp

Source/WTF/wtf/Int128.h

Copyright 2017 The Abseil Authors.

Apache License
Version 2.0, January 2004
<http://www.apache.org/licenses/>

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by

the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the

Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.
4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:
 - (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and
 - (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
 - (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
 - (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. **Submission of Contributions.** Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.
6. **Trademarks.** This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.
7. **Disclaimer of Warranty.** Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.
8. **Limitation of Liability.** In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.
9. **Accepting Warranty or Additional Liability.** While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier

[Public]

identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

>>> Boost 1.0

The below license applies to the following files:
Source/WTF/wtf/Brigand.h

Copyright (c) 2015 Edouard Alligand and Joel Falcou

Boost Software License - Version 1.0 - August 17th, 2003

Permission is hereby granted, free of charge, to any person or organization
obtaining a copy of the software and accompanying documentation covered by
this license (the "Software") to use, reproduce, display, distribute,
execute, and transmit the Software, and to prepare derivative works of the
Software, and to permit third-parties to whom the Software is furnished to
do so, all subject to the following:

The copyright notices in the Software and this entire statement, including
the above license grant, this restriction and the following disclaimer,
must be included in all copies of the Software, in whole or in part, and
all derivative works of the Software, unless such copies or derivative
works are solely in the form of machine-executable object code generated by
a source language processor.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT
SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE
FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE,
ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER
DEALINGS IN THE SOFTWARE.

This file contains a standalone version of Edouard Alligand and Joel Falcou's
Brigand library, which can be found at <https://github.com/edouarda/brigand>

>>>

The below license applies to the following files:
Source/JavaScriptCore/runtime/MathCommon.cpp

Copyright (C) 1993 by Sun Microsystems, Inc. All rights reserved.

Developed at SunSoft, a Sun Microsystems, Inc. business.

Permission to use, copy, modify, and distribute this software is freely granted, provided that this notice is preserved.

>>> BSD-4

The below license applies to some files in the following directories:
Source/bmalloc/bmalloc

Copyright (C) 2000-2017 Julian Seward. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
3. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
4. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (C) 2015 Andy VanWagoner <andy@vanwagoner.family>.
Copyright 2008 Alex Mathews <possessedpenguinbob@gmail.com>
Copyright 2007-2009 Holger Hans Peter Freyther
Copyright 2010-2011 Daniel Bates (dbates@intudata.com)
Copyright 1991-2023 Unicode Inc. All rights reserved. Distributed under the Terms of Use in <https://www.unicode.org>
Copyright 2009, 2011 Brent Fulgham
Copyright (c) 1999 Computer Systems and Communication Lab Institute of Information Science Academia Sinica. All rights reserved.
Copyright (C) 2008 2010 2011 Mark Nauwelaerts <mark.nauwelaerts@collabora.co.uk>.
Copyright (C) 2002 Ranjit Mathew
copyright ownership.
Copyright 2006-2007 Alexey Proskuryakov <ap@nypop.com>
Copyright (C) 2013 Brian Eugene Wilson Robert Martin Campbell. All rights reserved.
Copyright (C) 2007 Alp Toker <alp.toker@collabora.co.uk>

Copyright 2017 Caio Lima <ticaiolima@gmail.com>
Copyright interest in the
Copyright (C) 2008 Ole Andr Vadla Ravns <ole.andre.ravnas@tandberg.com>
Copyright 2007-2009 Torch Mobile Inc
Copyright 2008-2013 Collabora Ltd
Copyright (C) 2010-2012 Alexander Saprykin <xelfium@gmail.com>
Copyright (C) 2012 Sony Network Entertainment. All rights reserved.
Copyright 2009-2022 Igalia S.L
Copyright 1999-2007 Brian Paul
Copyright 2008-2013 Nokia Corp and or its subsidiary
Copyright (C) 2014-2015 Frederic Wang (fred.wang@free.fr). All rights reserved.
Copyright (C) 2002-2007 Bo Thorsen <bo@suse.de>
Copyright (C) 2006 Lars Knoll <lars@trolltech.com>
Copyright (C) 2006 Anders Carlsson <andersca@mac.com>
Copyright (C) 2002 Cyrus Patel <cyp@fb14.uni-mainz.de>
Copyright 2016 Caitlin Potter <caitp@igalia.com>
Copyright (c) 1999 TaBE Project.
Copyright 2000-2003 Dirk Mueller (mueller@kde.org)
Copyright (C) 2012 2018 GStreamer developers
Copyright 2011 Code Aurora Forum
Copyright (C) 2007 Pioneer Research Center USA Inc.
Copyright (C) 2000-2007 2009-2011 2013-2015 Wim Taymans
Copyright (C) 2019 Adobe. All rights reserved.
Copyright 2009 Joseph Pecoraro
Copyright 2013-2014 Cable Television Labs Inc
Copyright (C) 2005-2006 Oliver Hunt <oliver@nerget.com>
Copyright (C) 2010-2011 Nokia Inc. All rights reserved.
Copyright (C) 2011 Felician Marton
Copyright 2012-2015 Samsung Electronics
Copyright 2012-2013 Michael Pruett <michael@68k.org>
Copyright 2005-2015 Tim-Philipp Mller
Copyright 2018 Yusuke Suzuki <yusukesuzuki@slowstart.org>
Copyright (C) 2000 Stefan Schimanski (schimmi@kde.org)
Copyright (C) 2007 Peter Kjellerstedt <pkj@axis.com>
Copyright (C) 1997-1999 2000-2001 Tim Janik and Red Hat Inc.
Copyright (C) 2010 Brandon Lewis <brandon.lewis@collabora.co.uk>
Copyright (C) 2003-2004 Ronald Bultje <rbultje@ronald.bitfreak.net>
Copyright (C) 2002-2003 The Karbon Developers
Copyright 2003 Apple Computer Inc
Copyright 2010-2012 MIPS Technologies Inc
Copyright 2015-2017 Canon Inc
Copyright (C) 2003 2005 2007-2008 2010-2011 David A. Schleef <ds@schleef.org>
Copyright 2010-2011 Sencha Inc
Copyright (C) 2010 2012-2013 Fluendo S.A. <support@fluendo.com>
Copyright 2005-2022 Google Inc
Copyright (C) 2007-2008 2011 Ryan Lortie
Copyright (C) 2018 Tomasz Miasko
Copyright (C) 1999-2000 Tor Lillqvist and Craig Setera
Copyright 2011-2012 Renata Hodovan <reni@webkit.org>
Copyright (C) 2010 &yet LLC. (nate@andyet.net)
Copyright (C) 2011 2013 2016 Stefan Sauer <ensonic@users.sf.net>
Copyright (C) 2015 Roopesh Chander (roop@roopc.net)
Copyright (C) 2014 David Waring British Broadcasting Corporation
Copyright (C) Google, Inc. All rights reserved.
Copyright (C) 2001 Hans Breuer
Copyright 1999-2003 Lars Knoll (knoll@kde.org)
Copyright (C) 1997 Martin Jones (mjones@kde.org)
Copyright 1997-1998, 2000-2003, 2005 Tim Janik

Copyright 2011, 2014-2023 The Chromium Authors
Copyright (C) 2007 Cameron Zwarich (cwzwarich@uwaterloo.ca)
Copyright (C) 2010 Renata Hodovan (hodovan@inf.u-szeged.hu)
Copyright (C) 2005-2006 Zaheer Abbas Merali
Copyright 2006-2007 Samuel Weinig <sam@webkit.org>
Copyright (C) 2000 Eazel Inc.
Copyright 2005 Frerich Raabe <raabe@kde.org>
Copyright (C) 1993 by Sun Microsystems Inc. All rights reserved.
Copyright 2006 Michael Emmel mike.emmel@gmail.com
Copyright 2013 The MathJax Consortium
Copyright year name of author Gnomovision comes
Copyright 2013-2014 Opera Software ASA
Copyright (C) 2020 The GStreamer Contributors.
Copyright (C) 2005-2007 2010 2018 Emmanuele Bassi
Copyright (C) 2009 Michelangelo De Simone <micdesim@gmail.com>
Copyright 2015-2018 Akamai Technologies Inc
Copyright (C) 2011 Patrick Gansterer <paroga@webkit.org>
Copyright 2019-2021 Alexey Shvayka <shvaikalesh@gmail.com>
Copyright (C) 2004 Zack Rusin <zack@kde.org>
Copyright (C) 2013 Xueqing Huang <huangxueqing@baidu.com>
Copyright 2021-2022 Andy Goryachev <andy@goryachev.com> package com.sun.javafx.scene.control
Copyright 2012 Intel Inc
Copyright (C) 2002-2013 Vivek Thampi
Copyright 2016-2023 Sony Interactive Entertainment Inc
Copyright 2001-2002 Thomas Broyer Charlie Bozeman and Daniel Veillard
Copyright (C) 2016 British Broadcasting Corporation
Copyright (C) 2016 Oleksandr Skachkov (gskachkov@gmail.com)
Copyright (C) 2008 Claus Tondering.
Copyright 1996 David Mazieres <dm@uun.org>
Copyright 2011-2012 Rik Cabanier (cabanier@adobe.com)
Copyright 2008, 2010 Thiago Santos <thiago.sousa.santos@collabora.co.uk>
Copyright (C) 2013 Andrew Bortz. All rights reserved.
Copyright 2011 Gabor Loki <loki@webkit.org>
Copyright (C) 2014 Saam Barati. <saambarati1@gmail.com>
Copyright (C) 2010 Francois Sausset (sausset@gmail.com). All rights reserved.
Copyright (C) 2003-2004 Benjamin Otte <in7y118@public.uni-hamburg.de>
Copyright 2005 Maksim Orlovich <maksim@kde.org>
Copyright (c) 2013 Dave St.Germain
Copyright (C) 2015 Jordan Harband. All rights reserved.
Copyright (C) 2013 Sreerenj Balachandran <sreerenj.balachandran@intel.com>
Copyright (C) 2008 Kelvin W Sherlock (ksherlock@gmail.com)
Copyright 2006-2007 Nicholas Shanks <webkit@nickshanks.com>
Copyright 2010-2013 Intel Corp
Copyright interest in the program
Copyright (C) 2017 Konstantin Tokarev <annulen@yandex.ru>
Copyright 2009 Jeff Schiller <codedread@gmail.com>
Copyright (C) 2020 Metrological
Copyright (c) 2015 Edouard Alligand and Joel Falcou
Copyright (C) 2011 Kris Jordan <krisjordan@gmail.com>
Copyright (C) 2006 Andrew Wellington (proton@wiredtapped.net)
Copyright 2012 Co
Copyright (C) 2012 Raphael Kubo da Costa <rakuco@webkit.org>
Copyright (C) 2009 Jakub Wieczorek <faw217@gmail.com>
Copyright 2008 Cameron Zwarich <cwzwarich@uwaterloo.ca>
Copyright 2014 Nicols Alvarez <nicolas.alvarez@gmail.com>
copyright statement to Your modifications and
Copyright (C) 2020 WikiMedia Inc. All rights reserved.
Copyright (C) 2000-2003 Peter Kelly (pmk@post.com)

Copyright 2009-2012 Research In Motion Ltd
Copyright 1999 Antti Koivisto (koivisto@kde.org)
Copyright (C) 2003-2014 University of Illinois at Urbana-Champaign.
Copyright 2018 The Rust Project Developers.
Copyright (C) 2001-2002 2004-2005 Andy Wingo <apwingo@eos.ncsu.edu>
Copyright 2008 Damien Miller <djm@openbsd.org>
Copyright (C) 2006 Josep Torra <josep@fluendo.com>
Copyright (C) 2002 Waldo Bastian (bastian@kde.org)
Copyright (C) 2012 David Barton (dbarton@mathscribe.com). All rights reserved.
Copyright (C) 2018-2019 Seungha Yang <seungha.yang@navercorp.com>
Copyright (C) 2001 Tobias Anton (anton@stud.fbi.fh-darmstadt.de)
Copyright 2002-2023 Apple Inc
Copyright 2007-2011 Julien Chaffraix <jchaffraix@webkit.org>
Copyright (C) 2012-2013 basysKom GmbH
Copyright 2005 Nokia
Copyright 2005-2007 Alexey Proskuryakov <ap@webkit.org>
Copyright (C) 2001 Thomas Nyberg <thomas@codefactory.se>
Copyright (C) 2005 David Schleef <ds@schleef.org>
Copyright (C) 2005 Ross Burton <ross@burtonini.com>
Copyright AND
Copyright (C) 2013 Motorola Mobility LLC. All rights reserved.
Copyright (C) 2009 Nokia Corporation
Copyright 1995-1998 Peter Mattis Spencer Kimball and Josh MacDonald
Copyright (C) 2011 Adam Barth <abarth@webkit.org>
Copyright (C) 2004-2006 Allan Sandfeld Jensen (kde@carewolf.com)
Copyright (C) 2008 Collin Jackson <collinj@webkit.org>
Copyright (C) 2010-2017 Christopher Swenson.
Copyright (C) 2009-2010 Codethink Limited
Copyright (C) 1994-1998 Thomas G. Lane. Modified
Copyright 2012-2013 Digia Plc. and or its subsidiary
Copyright (C) 1998 Owen Taylor and Tor Lillqvist
Copyright (C) 2006 Dave Benson
Copyright (C) 2013 2015 YouView TV Ltd.
Copyright (C) 2011 2014-2015 Canonical Limited
Copyright 2008 Nuantl Ltd
Copyright (C) 2020 Darryl Pogue (darryl@dpogue.ca)
Copyright (C) 1998-1999 Lars Knoll (knoll@mpi-hd.mpg.de)
Copyright (C) 1995 A.M. Kuchling
Copyright (C) 2010-2011 Brent Fulgham <bfulgham@webkit.org>
Copyright (C) 2006-2007 Maks Orlovich
Copyright 1992-2004, 2019 Microsoft Corp
Copyright (C) 2009-2010 Christian Hergert <chris@dronelabs.com>
Copyright 2016-2022 Metrological Group B.V
Copyright 2009, 2011 Robert Hogan <robert@roberthogan.net>
Copyright (C) 2018 mce sys Ltd. All rights reserved.
Copyright 2011 Andreas Kling (kling@webkit.org)
Copyright 1991-2022 Thomas G. Lane Guido Vollbeding
Copyright (C) Apple 2023
Copyright 2008-2011 The Android Open Source Project
Copyright (C) 2016 Yusuke Suzuki <yusuke.suzuki@sslabs.ics.keio.ac.jp>
Copyright (C) 2005 2007 Imendio AB
Copyright 2004-2019 Nikolas Zimmermann <zimmermann@kde.org>
Copyright 2009-2016 Ericsson AB
Copyright (C) 2000-2003 Ximian Inc.
Copyright (C) 2005 Jan Schmidt <thaytan@mad.scientist.com>
Copyright (C) 2005-2006 Oliver Hunt <ojh16@student.canterbury.ac.nz>
Copyright (C) 2005-2007 2011 Stefan Kost <enonic@sonicpulse.de>
Copyright 2012, 2016 SoftAtHome

Copyright (C) Saam Barati <saambarati1@gmail.com>. All rights reserved.
Copyright 1991 by the Massachusetts Institute of Technology
Copyright 2008-2011 Dirk Schulze <krit@webkit.org>
Copyright 2022-2023 Tetsuharu Ohzeki <tetsuharu.ohzeki@gmail.com>
Copyright (C) 2009 Jian Li <jianli@chromium.org>
Copyright (C) 2009 Gustavo Noronha Silva <gns@gnome.org>
Copyright (C) 2010 Yahoo Inc.
Copyright (C) 2014 Fredric Wang (fred.wang@free.fr). All rights reserved.
Copyright 2011-2018 Adobe Systems Inc
Copyright 2010 Peter Varga (pvarga@inf.u-szeged.hu) University of Szeged
Copyright (C) 2015 Luis de Bethencourt <luis@debethencourt.com>
Copyright 2004-2010 Rob Buis <buis@kde.org>
Copyright (C) 2000-2017 Julian Seward. All rights reserved.
Copyright (C) 1998-2000 2003-2004 Tor Lillqvist
Copyright (C) 2006-2007 Rob Buis
Copyright (C) 2006 2008 2010-2011 Nokia <stefan.kost@nokia.com>
Copyright (C) 2015-2016 Sukolsak Sakshuwong (sukolsak@gmail.com)
Copyright (C) 2010 Zoltan Herczeg (zherczeg@inf.u-szeged.hu)
Copyright (C) 2002-2003 Scott Wheeler <wheeler@kde.org>
Copyright (C) 2012 Victor Carbune (victor@rostedu.org)
Copyright (C) 2009 Kenneth Rohde Christiansen
Copyright 2020 Wikimedia Foundation
Copyright (C) 2018 Google LLC. All rights reserved.
Copyright (C) 2000 2012 Bjorn Reese and Daniel Veillard. list.
Copyright 2006-2013, 2017, 2019 the
Copyright (C) 2006 Mathieu Garcia <matthieu@fluendo.com>
Copyright 2013 Xidorn Quan (quanxunzhen@gmail.com)
Copyright (C) 2009-2010 Rob Buis (rwlbuis@gmail.com)
Copyright (C) 2006 2009-2010 Edward Hervey <bilboed@bilboed.com>
Copyright (C) 2005 Sebastien Moutte <sebastien@moutte.net>
Copyright (C) 2004 Anders Carlsson <andersca@gnome.org>
Copyright 2005-2006 Alexey Proskuryakov
Copyright (C) 2007 Nicholas Shanks <contact@nickshanks.com>
Copyright (C) 2015 Igalia.
Copyright 2022 Jarred Sumner
Copyright (C) 2003 2005 Matthias Clasen
Copyright (C) 2003 2007 Julien Moutte <julien@fluendo.com>
Copyright (C) 2006 Jon Shier (jshier@iastate.edu)
Copyright (C) 1998 Owen Taylor
Copyright (C) 2007-2011 2013 Sebastian Drge <sebastian.droege@collabora.co.uk>
Copyright 2011 Motorola Mobility
Copyright (C) 2011 Stef Walter <stefw@collabora.co.uk>
Copyright (C) 2011 Peter Varga (pvarga@webkit.org) University of Szeged
Copyright (C) 2009-2010 Alex Milowski (alex@milowski.com). All rights reserved.
Copyright (C) 2015 Dominic Szablewski (dominic@phoboslab.org)
Copyright 1996-2014, 2021 Red Hat Inc
Copyright (C) 2001 RidgeRun
Copyright (C) 2014 Dhi Aurrahman <diorahman@rockybars.com>
Copyright (C) 2001 CodeFactory AB
Copyright 2007-2008 Alp Toker <alp@atoker.com>
Copyright (C) 2000 Gary Pennington and Daniel Veillard. the trio files
Copyright (C) 2020 RDK Management All rights reserved.
Copyright (C) 2007-2008 Pioneers of the Inevitable <songbird@songbirdnest.com>
Copyright (C) 2010 Mozilla Corporation. All rights reserved.
Copyright 2009-2011 Torch Mobile
Copyright (C) 2022 Leonardo Taccari <leot@NetBSD.org>.
Copyright (C) 2014 Pablo Fernandez Alcantarilla Jesus Nuevo
Copyright (C) 2005-2006 Alexander Larsson <alexl@redhat.com>

Copyright (C) 2012 Google AB. All rights reserved.
Copyright (C) 2021 Iain Lane Xavier Claessens
Copyright (C) 2020 Noam Rosenthal (noam@webkit.org)
Copyright (C) 2007 Henry Mason (hmason@mac.com)
Copyright (C) 2015 Jordan Harband (ljharb@gmail.com)
Copyright 2020 Cloudinary Inc
Copyright (C) 2021 Tyler Wilcock <twilco.o@protonmail.com>.
Copyright (C) 2000-2001 Dawit Alemayehu <adawit@kde.org>
Copyright (C) 2006 George Staikos <staikos@kde.org>
Copyright 2008-2009 Cameron McCormack <cam@mcc.id.au>
Copyright 2014-2018 Yusuke Suzuki <utatane.tea@gmail.com>
Copyright (C) 2010 Arun Raghavan <arun.raghavan@collabora.co.uk>
Copyright (C) Google 2014-2017
Copyright (C) 2011 Hewlett-Packard Development Company L.P.
Copyright 2006 Alexey Proskuryakov (ap@webkit.org)
Copyright 2007 Justin Haygood (jhaygood@reaktix.com)
Copyright (C) 2010 Renata Hodovan <reni@inf.u-szeged.hu>
Copyright (C) 2009 VMware Inc. All Rights Reserved.
Copyright 2009-2010 Adam Barth
Copyright 2007-2008 David Smith (catfish.man@gmail.com)
Copyright 2010-2012 Zoltan Herczeg <zherczeg@webkit.org>
Copyright 1996 Chih-Hao Tsai
Copyright (c) 2014-2021 Joel Hner
Copyright (C) 2008 Thijs Vermeir <thijsvermeir@gmail.com>
Copyright (C) 2019 WebGPU native developers
Copyright (C) 2020 Huawei Technologies Co. Ltd.
Copyright (C) 1998-2001 Sebastian Wilhelmi University of Karlsruhe
Copyright (C) 2015-2018 Andy VanWagoner (andy@vanwagoner.family)
Copyright (C) 2008 Dirk Schulze <vbs85@gmx.de>
Copyright 2005-2007 Alexey Proskuryakov (ap@nypop.com)
Copyright (c) 1999 Pai-Hsiang Hsiao. All rights reserved.
Copyright (C) 2009-2012 ARM Ltd.
Copyright 2010-2014 Patrick Gansterer <paroga@paroga.com>
copyright and no-warranty notice
Copyright 2016 and later Unicode Inc. and others. License & terms of
Copyright (C) 2015 Electronic Arts Inc. All rights reserved.
Copyright (C) 2012 Gabor Rapcsanyi
Copyright (C) 2022 Leaning Technologies Inc. All rights reserved.
Copyright (C) 2018 2020 Endless Mobile Inc.
Copyright (C) 2017-2019
Copyright 2012-2014 University of Washington
Copyright (c) 2003-2010 Mark Borgerding. All rights reserved.
Copyright 2009 Antonio Gomes <tonikitoo@webkit.org>
Copyright (c) 1996-2022 Anthony Green Red Hat Inc and others. See source files for details.
Copyright 2008 Matt Lilek <webkit@mattlilek.com>
Copyright (C) 2014-2023 Igalia S. L.
Copyright 2006 Samuel Weinig <sam.weinig@gmail.com>
Copyright (C) 2010 Christian Persch
Copyright (C) 2015 Yusuke Suzuki<utatane.tea@gmail.com>. All rights reserved.
Copyright (C) 1995-1997 1999 2002 Peter Mattis Red Hat Inc.
Copyright (c) 2014-2021 Florian Bernd
Copyright 2016 Konstantin Tokavev <annulen@yandex.ru>
Copyright (C) 2009 Benjamin Otte <otte@gnome.org>
Copyright 2010-2012 Motorola Mobility Inc
Copyright (C) 2013 The Written Word Inc.
Copyright (C) 1996 Takuya OOURA
Copyright (C) 2011 Leo Yang <leoyang@webkit.org>
Copyright 2012 Mathias Bynens (mathias@qiwi.be)

Copyright (C) 2002 Bo Thorsen
Copyright (C) 2004-2006 Nikolas Zimmermann <wildfox@kde.org>
Copyright (C) 2014-2015 Centricular Ltd
Copyright (C) 2003 Noah Levitt
Copyright (C) 2014 Yoav Weiss (yoav@yoav.ws)
Copyright (C) 2008 David Levin <levin@chromium.org>
Copyright the software, and
Copyright (C) 2001-2003 Andrew Lanoix
Copyright (C) 2004-2005 Thomas Vander Stichele
Copyright (C) 1998 Bjorn Reese and Daniel Stenberg.
Copyright 2013 ChangSeok Oh <shivamidow@gmail.com>
Copyright (C) 2000 Simon Hausmann <hausmann@kde.org>
Copyright (C) 2012 Vojtech Fried.
Copyright (C) 2009 Dominik Röttsches <dominik.roettsches@access-company.com>
Copyright (C) 2006 James G. Speth (speth@end.com)
Copyright (C) 2020 Frederic Martinsons
Copyright (C) 1999 2000 Tom Tromey
Copyright 2005-2006 Alexander Kellett <lypanov@kde.org>
Copyright 2021 Igalia S.A
Copyright (C) 2011 Plausible Labs Cooperative Inc.
Copyright (C) 1998-1999 Torben Weis <weis@kde.org>
Copyright (C) 2017 Oleksandr Skachkov <gskachkov@gmail.com>.
Copyright (C) 2003 Sebastian Wilhelmi
Copyright 2008-2018 The Khronos Group Inc
Copyright 2009-2014 University of Szeged
Copyright 1989, 1991-2019 Free Software Foundation Inc
Copyright (C) 2009 STEricsson <benjamin.gaignard@stericsson.com>
Copyright (C) 2009 Axis Communications
Copyright 2006-2007 Graham Dennis (graham.dennis@gmail.com)
Copyright (C) 2011 Benjamin Poulain <ikipou@gmail.com>
Copyright (C) 2005-2009 2015 2021 Jan Schmidt <jan.schmidt@sun.com>
Copyright 2000 2001 2002 2003 Nara Institute of Science and Technology. All Rights Reserved.
Copyright (C) 1999-2001 Erik Walthinsen <omega@cse.ogi.edu>
Copyright (C) 2014 Raspberry Pi Foundation. All rights reserved.
Copyright (C) 2018 Sony Interactive Entertainment.
Copyright (C) 2000 Daniel Molkentin (molkentin@kde.org)
Copyright 2015 Alex Merry <alex.merry@kde.org>
Copyright 1995-2016 International Business Machines Corp and others
Copyright (C) 2010 Tieto Corporation.
Copyright (C) 2012 Zan Dobersek <zandobersek@gmail.com>
Copyright (C) 2010 Andras Becsi (abecsi@inf.u-szeged.hu) University of Szeged
Copyright (C) 2014 Gurpreet Kaur (k.gurpreet@samsung.com). All rights reserved.
Copyright 1995-1998, 2000, 2002, 2005-2023 Oracle and or its affiliates
Copyright (C) 2011 Cosmin Truta <ctruta@gmail.com>
Copyright (C) 2012 Koji Ishii <kojiishi@gmail.com>
Copyright (C) 2009 Acision BV. All rights reserved.
Copyright (C) 2019 Carlos Eduardo Ramalho <cadubentzen@gmail.com>.
Copyright (C) 2008 Tony Chang <idealisms@gmail.com>
Copyright 1999-2004 Harri Porten (porten@kde.org)
Copyright (C) 2010 Collabora Multimedia
Copyright (C) 2002 Roger Sayle
Copyright (C) 2006 Samuel Weinig (sam.weinig@gmail.com)
Copyright (C) 2000 Frederik Holljen (frederik.holljen@hig.no)
Copyright (C) 2010-2011 Zoltan Herczeg
Copyright 2017 The Abseil Authors.
copyright doctrines of fair use, fair dealing, or other
Copyright (C) 2006 Bjoern Graf (bjoern.graf@gmail.com)
Copyright 2005-2008 Eric Seidel <eric@webkit.org>

Sun Microsystems, Inc.
Binary Code License Agreement

Vivado ML Lab Solutions Third Party Licensing Guide 2025.10.24 344

acknowledge that you have the responsibility to obtain such licenses to export, re-export, or import as may be required after delivery to you.

8.?? U.S. Government Restricted Rights.? If Software is being acquired by or on behalf of the U.S. Government or by a U.S. Government prime contractor or subcontractor (at any tier), then the Government's rights in Software and accompanying documentation will be only as set forth in this Agreement; this is in accordance with 48 CFR 227.7201 through 227.7202-4 (for Department of Defense (DOD) acquisitions) and with 48 CFR 2.101 and 12.212 (for non-DOD acquisitions).

9.? Governing Law.? Any action related to this Agreement will be governed by California law and controlling U.S. federal law.? No choice of law rules of any jurisdiction will apply.

10.? Severability. If any provision of this Agreement is held to be unenforceable, this Agreement will remain in effect with the provision omitted, unless omission would frustrate the intent of the parties, in which case this Agreement will immediately terminate.

11.? Integration.? This Agreement is the entire agreement between you and Sun relating to its subject matter.? It supersedes all prior or contemporaneous oral or written communications, proposals, representations and warranties and prevails over any conflicting or additional terms of any quote, order, acknowledgment, or other communication between the parties relating to its subject matter during the term of this Agreement.? No modification of this Agreement will be binding, unless in writing and signed by an authorized representative of each party.

JAVAHELP(TM) VERSION 2.0 SUPPLEMENTAL LICENSE TERMS

These supplemental license terms ("Supplemental Terms") add to or modify the terms of the Binary Code License Agreement (collectively, the "Agreement"). Capitalized terms not defined in these Supplemental Terms shall have the same meanings ascribed to them in the Agreement. These Supplemental Terms shall supersede any inconsistent or conflicting terms in the Agreement, or in any license contained within the Software.

1. Software Internal Use and Development License Grant. Subject to the terms and conditions of this Agreement, including, but not limited to Section 4 (Java(TM) Technology Restrictions) of these Supplemental Terms, Sun grants you a non-exclusive, non-transferable, limited license to reproduce internally and use internally the binary form of the Software complete and unmodified for the sole purpose of designing, developing and testing your Java applets and applications intended to run on the Java platform ("Programs").

2. License to Distribute Software.? In addition to the license granted in Section 1 (Software Internal Use and Development License Grant) of these Supplemental Terms, subject to the terms and conditions of this Agreement, including but not limited to Section 4 (Java Technology Restrictions), Sun grants you a non-exclusive, non-transferable, limited license to reproduce and distribute the Software in binary form only, provided that you (i) distribute the Software complete and unmodified and only bundled as part of your Programs, (ii) do not distribute additional software intended to replace any component(s) of the Software, (iii) do not remove or alter any proprietary legends or notices contained in the Software, (iv) only distribute the Software subject to a license agreement that protects Sun's interests consistent with the terms contained in this Agreement, and (v) agree to defend and indemnify Sun and its licensors from and against any damages, costs, liabilities, settlement amounts and/or expenses (including attorneys' fees) incurred in connection with any claim, lawsuit or action by any third party that arises or results from the use or distribution of any and all Programs and/or Software.

3. License to Distribute Redistributables.? In addition to the license granted in Section 1 (Software Internal Use and Development License Grant) of these Supplemental Terms, subject to the terms and conditions of this Agreement, including but not limited to Section 3 (Java Technology Restrictions) of these Supplemental Terms, Sun grants you a non-exclusive, non-transferable, limited license to reproduce and distribute those files specifically identified as redistributable in the Software "README" file ("Redistributables") provided that: (i) you distribute the Redistributables complete and unmodified (unless otherwise specified in the applicable README file), and only bundled as part of your Programs, (ii) you do not distribute additional software intended to supersede any component(s) of the Redistributables, (iii) you do not remove or alter any proprietary legends or notices contained in or on the Redistributables, (iv) you only distribute the Redistributables pursuant to a license agreement that protects Sun's interests consistent with the terms contained in the Agreement, and (v) you agree to defend and indemnify Sun and its licensors from and against any damages, costs, liabilities, settlement amounts and/or expenses (including attorneys' fees) incurred in connection with any claim, lawsuit or action by any third party that arises or results from the use or distribution of any and all Programs and/or Software.

4. Java Technology Restrictions. You may not modify the Java Platform Interface ("JPI", identified as classes contained within the "java" package or any subpackages of the "java" package), by creating additional classes within the JPI or otherwise causing the addition to or modification of the classes in the JPI.? In the event that you create an additional class and associated API(s) which (i) extends the

5. Java Runtime Availability.? Refer to the appropriate version of the Java Runtime Environment binary code license (currently located at <http://www.java.sun.com/jdk/index.html>) for the availability of runtime code which may be distributed with Java applets and applications.

6. Trademarks and Logos. You acknowledge and agree as between you and Sun that Sun owns the SUN, SOLARIS, JAVA, JINI, FORTE, and iPLANET trademarks and all SUN, SOLARIS, JAVA, JINI, FORTE, and iPLANET-related trademarks, service marks, logos and other brand designations ("Sun Marks"), and you agree to comply with the Sun Trademark and Logo Usage Requirements currently located at <http://www.sun.com/policies/trademarks>. Any use you make of the Sun Marks inures to Sun's benefit.

7. **Source Code.** Software may contain source code that is provided solely for reference purposes pursuant to the terms of this Agreement. Source code may not be redistributed unless expressly provided for in this Agreement. Some source code may contain alternative license terms that apply only to that source code file.

8. Termination for Infringement.? Either party may terminate this Agreement immediately should any Software become, or in either party's opinion be likely to become, the subject of a claim of infringement of any intellectual property right.

For inquiries please contact: Sun Microsystems, Inc. 4150 Network Circle, Santa Clara, California 95054.

Copyright 1997-2002 Easy Software Products All Rights Reserved.
Copyright 1998-1999, 2001 Sun Microsystems
Copyright 1997-1998, 2002-2004, 2006 Sun Microsystems Inc

```
javax.activation-api version 1.2.0
<<<<<<<xilinx-separator>>>>>>>
```

* Copyright (c) 1997-2017 Oracle and/or its affiliates. All rights reserved.
 *
 * The contents of this file are subject to the terms of either the GNU
 * General Public License Version 2 only ("GPL") or the Common Development
 * and Distribution License("CDDL") (collectively, the "License"). You
 * may not use this file except in compliance with the License. You can
 * obtain a copy of the License at
 * <https://oss.oracle.com/licenses/CDDL+GPL-1.1>
 * or LICENSE.txt. See the License for the specific
 * language governing permissions and limitations under the License.
 *
 * When distributing the software, include this License Header Notice in each
 * file and include the License file at LICENSE.txt.
 *

```
* GPL Classpath Exception:
* Oracle designates this particular file as subject to the "Classpath"
* exception as provided by Oracle in the GPL Version 2 section of the License
* file that accompanied this code.
*
* Modifications:
* If applicable, add the following below the License Header, with the fields
* enclosed by brackets [] replaced by your own identifying information:
* "Portions Copyright [year] [name of copyright owner]"
*
* Contributor(s):
* If you wish your version of this file to be governed by only the CDDL or
* only the GPL Version 2, indicate your decision by adding "[Contributor]
* elects to include this software in this distribution under the [CDDL or GPL
* Version 2] license." If you don't indicate a single choice of license, a
* recipient has the option to distribute your version of this file under
* either the CDDL, the GPL Version 2 or to extend the choice of license to
* its licensees as provided above. However, if you add GPL Version 2 code
* and therefore, elected the GPL Version 2 license, then the option applies
* only if the new code is made subject to such option by the copyright
* holder.
*/
```

```
<<<<<<<xilinx-separator>>>>>>>>
```

The text of the GNU Lesser General Public License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s), together with the "CLASSPATH" EXCEPTION TO THE GPL VERSION 2:

Certain source files distributed by Oracle are subject to the following clarification and special exception to the GPL Version 2, but only where Oracle has expressly included in the particular source file's header the words "Oracle designates this particular file as subject to the "Classpath" exception as provided by Oracle in the License file that accompanied this code."

Linking this library statically or dynamically with other modules is making a combined work based on this library. Thus, the terms and conditions of the GNU General Public License Version 2 cover the whole combination.

As a special exception, the copyright holders of this library give you permission to link this library with independent modules to produce an executable, regardless of the license terms of these independent modules, and to copy and distribute the resulting executable under terms of your choice, provided that you also meet, for each linked independent module, the terms and conditions of the license of that module. An independent module is a module which is not derived from or based on this library. If you modify this library, you may extend this exception to your version of the library, but you are not obligated to do so. If you do not wish to do so, delete this exception statement from your version.

Vivado ML Lab Solutions Third Party Licensing Guide

347

```
jaxb-api version 2.3.1
<<<<<<<xilinx-separator>>>>>>>>
```

Copyright (c) 2003-2017 Oracle and/or its affiliates. All rights reserved.

- *
- * The contents of this file are subject to the terms of either the GNU
- * General Public License Version 2 only ("GPL") or the Common Development
- * and Distribution License("CDDL") (collectively, the "License"). You
- * may not use this file except in compliance with the License. You can
- * obtain a copy of the License at
- * <https://oss.oracle.com/licenses/CDDL+GPL-1.1>
- * or LICENSE.txt. See the License for the specific
- * language governing permissions and limitations under the License.
- *
- * When distributing the software, include this License Header Notice in each
- * file and include the License file at LICENSE.txt.
- *
- * GPL Classpath Exception:
- * Oracle designates this particular file as subject to the "Classpath"
- * exception as provided by Oracle in the GPL Version 2 section of the License
- * file that accompanied this code.
- *
- * Modifications:
- * If applicable, add the following below the License Header, with the fields
- * enclosed by brackets [] replaced by your own identifying information:
- * "Portions Copyright [year] [name of copyright owner]"
- *
- * Contributor(s):
- * If you wish your version of this file to be governed by only the CDDL or
- * only the GPL Version 2, indicate your decision by adding "[Contributor]
- * elects to include this software in this distribution under the [CDDL or GPL
- * Version 2] license." If you don't indicate a single choice of license, a
- * recipient has the option to distribute your version of this file under
- * either the CDDL, the GPL Version 2 or to extend the choice of license to
- * its licensees as provided above. However, if you add GPL Version 2 code
- * and therefore, elected the GPL Version 2 license, then the option applies
- * only if the new code is made subject to such option by the copyright
- * holder.

```
jaxb-core version 2.3.0.1
<<<<<<<xilinx-separator>>>>>>>
```

* Copyright (c) 1997-2012 Oracle and/or its affiliates. All rights reserved.
*
* The contents of this file are subject to the terms of either the GNU

```
* General Public License Version 2 only ("GPL") or the Common Development
* and Distribution License("CDDL") (collectively, the "License"). You
* may not use this file except in compliance with the License. You can
* obtain a copy of the License at
* http://glassfish.java.net/public/CDDL+GPL\_1\_1.html
* or packager/legal/LICENSE.txt. See the License for the specific
* language governing permissions and limitations under the License.
*
* When distributing the software, include this License Header Notice in each
* file and include the License file at packager/legal/LICENSE.txt.
*
* GPL Classpath Exception:
* Oracle designates this particular file as subject to the "Classpath"
* exception as provided by Oracle in the GPL Version 2 section of the License
* file that accompanied this code.
*
* Modifications:
* If applicable, add the following below the License Header, with the fields
* enclosed by brackets [] replaced by your own identifying information:
* "Portions Copyright [year] [name of copyright owner]"
*
* Contributor(s):
* If you wish your version of this file to be governed by only the CDDL or
* only the GPL Version 2, indicate your decision by adding "[Contributor]
* elects to include this software in this distribution under the [CDDL or GPL
* Version 2] license." If you don't indicate a single choice of license, a
* recipient has the option to distribute your version of this file under
* either the CDDL, the GPL Version 2 or to extend the choice of license to
* its licensees as provided above. However, if you add GPL Version 2 code
* and therefore, elected the GPL Version 2 license, then the option applies
* only if the new code is made subject to such option by the copyright
* holder.
```

Copyright (c) 1997-2017 Oracle and/or its affiliates. All rights reserved.

- *
 - * The contents of this file are subject to the terms of either the GNU
 - * General Public License Version 2 only ("GPL") or the Common Development
 - * and Distribution License("CDDL") (collectively, the "License"). You
 - * may not use this file except in compliance with the License. You can
 - * obtain a copy of the License at
 - * <https://oss.oracle.com/licenses/CDDL+GPL-1.1>
 - * or LICENSE.txt. See the License for the specific
 - * language governing permissions and limitations under the License.
- *
 - * When distributing the software, include this License Header Notice in each
 - * file and include the License file at LICENSE.txt.
- *
 - * GPL Classpath Exception:
 - * Oracle designates this particular file as subject to the "Classpath"
 - * exception as provided by Oracle in the GPL Version 2 section of the License

```
* file that accompanied this code.
*
* Modifications:
* If applicable, add the following below the License Header, with the fields
* enclosed by brackets [] replaced by your own identifying information:
* "Portions Copyright [year] [name of copyright owner]"
*
* Contributor(s):
* If you wish your version of this file to be governed by only the CDDL or
* only the GPL Version 2, indicate your decision by adding "[Contributor]
* elects to include this software in this distribution under the [CDDL or GPL
* Version 2] license." If you don't indicate a single choice of license, a
* recipient has the option to distribute your version of this file under
* either the CDDL, the GPL Version 2 or to extend the choice of license to
* its licensees as provided above. However, if you add GPL Version 2 code
* and therefore, elected the GPL Version 2 license, then the option applies
* only if the new code is made subject to such option by the copyright
* holder.
*/
```

JIDE Software, Inc.
Copyright (c) 2002 - 2017 JIDE Software, Inc, all rights reserved.

IMPORTANT - READ CAREFULLY: This JIDE Software, Inc. ("JIDE") Software License Agreement ("SLA") is a legal agreement between you (an individual developer or a company of software applications) and JIDE for the JIDE software product accompanying this SLA, which includes computer software and may include associated source code, media, printed materials, and "on-line" or electronic documentation ("SOFTWARE PRODUCT"). By installing, copying, or otherwise using the SOFTWARE PRODUCT, you agree to be bound by the terms of this SLA. If you do not agree to the terms of this SLA, do not install, use, distribute in any manner, or replicate in any manner, any part, file or portion of the SOFTWARE PRODUCT.

The SOFTWARE PRODUCT is protected by copyright laws and international copyright treaties, as well as other intellectual property laws and treaties. The SOFTWARE PRODUCT is licensed, not sold.

RIGOROUS ENFORCEMENT OF INTELLECTUAL PROPERTY RIGHTS. If the licensed right of use for this SOFTWARE PRODUCT is purchased by you with any intent to reverse engineer, decompile, create derivative works, and the exploitation or unauthorized transfer of, any JIDE intellectual property and trade secrets, to include any exposed methods or source code where provided, no licensed right of use shall exist, and any products created as a result shall be judged illegal by definition of all applicable law. Any sale or resale of intellectual property or created derivatives so obtained will be prosecuted to the fullest extent of all local, federal and international law.

GRANT OF LICENSE. This SLA, if legally executed as defined herein, licenses and so grants you the following rights:

Single Developer License. Single Developer License allows an individual developer to use APIs ("Application Programming Interface") provided by SOFTWARE PRODUCT in any number of projects that he or she is working on. A Single Developer License for the SOFTWARE PRODUCT may not be shared or used by more than one individual developer. In a project that uses the SOFTWARE PRODUCT, each individual developer on the project requires a separate Single Developer License as long as they need to access JIDE API.

Source Code License. In addition to the license and rights granted above, JIDE grants you the right to use and modify the JIDE source provided you licensed source code. Different from developer license, source code license is licensed to a team. Each team only needs to purchase one copy of source code license and share it among those developers who have their own Single Developer License.

JIDE shall retain all right, title and interest in and to all updates, modifications, enhancements and derivative works, in whole or in part, of the JIDE Source Code created by you, including all copyrights subsisting therein, to the extent such modifications, enhancements or derivative works contain copyrightable code or expression derived from the JIDE source code; provided, however, that JIDE grants to you a fully-paid, royalty free license, to use copy and modify such updates, modifications, enhancements and derivative works or copies thereof for use as authorized in this LICENSE.

You may not distribute the JIDE source code, or any modified version or derivative work of the JIDE source code, in source code form.

JIDE require all developers in your project who plan to access JIDE source code signing on the source code license. As long as they signed, they become registered developers. An alternative to this is to let a delegate signs source code license as an organization. The delegate will be responsible for letting other developers who plan to access the source code reviewing this license agreement first before releasing them the access.

The source code contained herein and in related files is provided to the registered developer for the purposes of education and troubleshooting. Under no circumstances may any portion of the source code be distributed, disclosed or otherwise made available to any third party without the express written consent of JIDE.

Under no circumstances may the source code be used in whole or in part, as the basis for creating a product that provides the same, or substantially the same, functionality as any JIDE products.

The registered developer acknowledges that this source code contains valuable and proprietary trade secrets of JIDE. The registered developer agrees to expend every effort to insure its confidentiality. For example, under no circumstances may the registered developer allow to put the source code on an internal network where he or she has no control.

Due to the insecurity of Java byte-code, if you plan to use classes that built from the source code directly, you must agree to obfuscate the classes before distributing it to your customers.

SOURCE CODE IS SOLD AS IS. JIDE DOES NOT PROVIDE ANY TECHNICAL SUPPORT FOR SOURCE CODE.

Deployment License. There is no deployment license fee unless the number of your application deployments is larger than 1000 times of the number of developer licenses you purchased and you are unwilling to acknowledge using JIDE. You can acknowledge using JIDE by showing JIDE name and/or logo in about dialog, or splash screen or including this SLA in a license folder of your product release where has the licenses for all 3rd party libraries you are using or any other places where users can easily notice. If you are unwilling to acknowledge using JIDE, a one-time, perpetual deployment license fee will be applicable.

DESCRIPTION OF OTHER RIGHTS AND LIMITATIONS.

Not for Resale Software. The SOFTWARE PRODUCT is labeled and provided as "Not for Resale" or "NFR", then, notwithstanding other sections of this SLA, you may not resell, distribute, or otherwise transfer for value or benefit in any manner, the SOFTWARE PRODUCT or any derivative work using the SOFTWARE PRODUCT. You may not transfer, rent, lease, lend, copy, modify, translate, sublicense, time-share or electronically transmit the SOFTWARE PRODUCT, media or documentation. This also applies to any and all intermediate files, source code, and compiled executables.

Expose APIs. The SOFTWARE PRODUCT is a software library. The exposed APIs is intended to be used by the licensed developers only. If such an exposing of APIs is unavoidable in your application or intended due to the nature of your application, please contact JIDE for a special agreement and is subject to extra charge to get such permission. Exposing the APIs to non-licensed developers without JIDE permission is strictly prohibited.

Limitations on Reverse Engineering, Decompilation, and Disassembly. You may not reverse engineer, decompile, create derivative works, modify, translate, or disassemble the SOFTWARE PRODUCT, and only to the extent that such activity is expressly permitted by applicable law notwithstanding this limitation. You agree to take all reasonable, legal and appropriate measures to prohibit the illegal dissemination of the SOFTWARE PRODUCT or any of its constituent parts and redistributables to the fullest extent of all applicable local, US Codes and International Laws and Treaties regarding anti-circumvention, including but not limited to, the Geneva and Berne World Intellectual Property Organization (WIPO) Diplomatic Conferences.

Rental. You may not rent, lease, or lend the SOFTWARE PRODUCT.

Separation of Components, Their Constituent Parts and Redistributables. The SOFTWARE PRODUCT is licensed as a single product. The SOFTWARE PRODUCT and its constituent parts and any provided redistributables may not be reverse engineered, decompiled,

disassembled, nor placed for distribution, sale, or resale as individual creations by you or any individual not expressly given such permission by JIDE. The provision of source code, if included with the SOFTWARE PRODUCT, does not constitute transfer of any legal rights to such code, and resale or distribution of all or any portion of all source code and intellectual property will be prosecuted to the fullest extent of all applicable local, federal and international laws. All JIDE libraries, source code, redistributables and other files remain JIDE's exclusive property. You may not distribute any files, except those that JIDE has expressly designated as Redistributable.

The SOFTWARE PRODUCT may include certain files ("Redistributables") intended for distribution by you to the users of programs you create. Redistributables include jar file (or class files if you intend to package all JIDE classes into your own jar). Developer Guide of SOFTWARE PRODUCT (if any) or any other documents (such as javadoc) which are intended to teach you how to use the SOFTWARE PRODUCT, and sample code are not considered as redistributables. Subject to all of the terms and conditions in this SLA, you may reproduce and distribute exact copies of the Redistributables, provided that such copies are made from the original copy of the SOFTWARE PRODUCT or the copy transferred to a hard disk. Copies of Redistributables may only be distributed with and for the sole purpose of executing application programs permitted under this SLA that you have created using the SOFTWARE PRODUCT. You may reformat or recombine the original distribution format of redistributables provided by JIDE. However JIDE will not support or have any liability for such use.

Installation and Use. The license granted in this SLA for you to create your own compiled programs and distribute your programs and the Redistributables (if any), is subject to all of the following conditions:

All copies of the programs you create must bear a valid copyright notice, either your own or the JIDE copyright notice that appears on the SOFTWARE PRODUCT.

You may not remove or alter any JIDE copyright, trademark or other proprietary rights notice contained in any portion of JIDE libraries, source code, Redistributables or other files that bear such a notice.

JIDE provides no warranty at all to any person, and you will remain solely responsible to anyone receiving your programs for support, service, upgrades, or technical or other assistance, and such recipients will have no right to contact JIDE for such services or assistance.

Your programs containing the SOFTWARE PRODUCT must be written using a licensed, registered copy of the SOFTWARE PRODUCT.

Your programs must add primary and substantial functionality, and may not be merely a set or subset of any of the libraries, code, Redistributables or other files of the SOFTWARE PRODUCT.

Support Services. JIDE may provide you with support services related to the SOFTWARE PRODUCT ("Support Services"). Use of Support Services is governed by JIDE policies and programs described in the user manual, in on-line documentation and/or other JIDE provided materials. Any supplemental software code provided to you as part of the Support Services shall be considered part of the SOFTWARE PRODUCT and subject to the terms and conditions of this SLA. With respect to technical information you provide to JIDE as part of the Support Services, JIDE may use such information for its business purposes, including for product support and development.

Software Transfer. You may NOT permanently or temporarily transfer ANY of your rights under this SLA to any individual or entity. Regardless of any modifications which you make and regardless of how you might compile, link, and/or package your programs, under no circumstances may the libraries, redistributables, and/or other files of the SOFTWARE PRODUCT (including any portions thereof) be used for developing programs by anyone other than you. Only you as the licensed end user have the right to use the libraries, redistributables, or other files of the SOFTWARE PRODUCT (or any portions thereof) for developing programs created with the SOFTWARE PRODUCT. In particular, you may not share copies of the Redistributables with other co-developers. If you leave the company or go to another group where JIDE is no longer used, you may transfer the license to another developer within the team. After the transfer, you are no longer allowed to use SOFTWARE PRODUCT.

Termination. Without prejudice to any other rights or remedies, JIDE will terminate this SLA upon your failure to comply with all the terms and conditions of this SLA. In such event, you must destroy all copies of the SOFTWARE PRODUCT and all of its component parts including any related documentation, and must remove ANY and ALL use of such technology with the next generally available release from any applications using technology contained in the SOFTWARE PRODUCT developed by you, whether in native, altered or compiled state.

Time Limitation: There is no time limitation on using the SOFTWARE PRODUCT as long as you don't violate this license agreement. **UPGRADES.** If the SOFTWARE PRODUCT is labeled as an upgrade, you must be properly licensed to use the SOFTWARE PRODUCT identified by JIDE as being eligible for the upgrade in order to use the SOFTWARE PRODUCT. A SOFTWARE PRODUCT labeled as an

upgrade replaces and/or supplements the SOFTWARE PRODUCT that formed the basis for your eligibility for the upgrade, and together constitute a single SOFTWARE PRODUCT. You may use the resulting upgraded SOFTWARE PRODUCT only in accordance with all the terms of this SLA.

COPYRIGHT. All title and copyrights in and to the SOFTWARE PRODUCT (including but not limited to any images, demos, source code, intermediate files, packages, photographs, animations, video, audio, music, text, and "applets" incorporated into the SOFTWARE PRODUCT), the accompanying printed materials, and any copies of the SOFTWARE PRODUCT are owned by JIDE or its subsidiaries. The SOFTWARE PRODUCT is protected by copyright laws and international treaty provisions. Therefore, you must treat the SOFTWARE PRODUCT like any other copyrighted material except that you may install the SOFTWARE PRODUCT for use by you, a single developer. You may not copy any printed materials accompanying the SOFTWARE PRODUCT.

GENERAL PROVISIONS. This SLA may only be modified in writing signed by you and an authorized officer of JIDE. If any provision of this SLA is found void or unenforceable, the remainder will remain valid and enforceable according to its terms.

MISCELLANEOUS. If you acquired this product in the United States, this SLA is governed by the laws of the State of CA.

If this SOFTWARE PRODUCT was acquired outside the United States, then you, agree and ascend to the adherence to all applicable international treaties regarding copyright and intellectual property rights which shall also apply. In addition, you agree that any local law(s) to the benefit and protection of JIDE ownership of, and interest in, its intellectual property and right of recovery for damages thereto will also apply.

Should you have any questions concerning this SLA, or if you desire to contact JIDE for any reason, please contact us via our support web pages at <http://www.jidesoft.com/>.

NO WARRANTIES. JIDE EXPRESSLY DISCLAIMS ANY WARRANTY FOR THE SOFTWARE PRODUCT. THE PRODUCT AND ANY RELATED DOCUMENTATION IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NONINFRINGEMENT. THE ENTIRE RISK ARISING OUT OF USE OR PERFORMANCE OF THE PRODUCT REMAINS WITH YOU.

LIMITATION OF LIABILITY. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT SHALL JIDE OR ITS SUPPLIERS BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES WHATSOEVER (INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, LOSS OF BUSINESS INFORMATION, ANY OTHER PECUNIARY LOSS, ATTORNEY FEES AND COURT COSTS) ARISING OUT OF THE USE OF OR INABILITY TO USE THE SOFTWARE PRODUCT OR THE PROVISION OF OR FAILURE TO PROVIDE SUPPORT SERVICES, EVEN IF JIDE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Copyright 1996-2014 Free Software Foundation Inc. Originally written by Francois Pinard <pinard@iro.umontreal.ca>

Copyright 1999-2014 Free Software Foundation Inc. Written by Tom Tromey <tromey@cygnus.com>

Copyright 2011-2012 Wind River Systems Inc

Copyright 2012 Digia Plc and or its subsidiary

Copyright 2007-2008 Apple Inc

Copyright (c) 2007 Davide Raccagni. All Rights Reserved.

Copyright (C) 1999 Jonathan Revusky

Copyright 2008 Holger Hans Peter Freyther

Copyright 2011 The Dojo Foundation Released

Copyright 2012 Research In Motion <blackberry-qt@qnx.com> Contact

Copyright 1999-2015 The Apache Software Foundation

Copyright (C) 1999 Clancy Malcolm Based on HTMLTokenMarker.java

Copyright 2004-2006 Regents of the University of California

copyright (c) 1999 IBM Corporation. <http://www.ibm.com>.

Copyright (C) 2009 Jakub Wiecezorek <faw217@gmail.com>

Copyright (C) 2002 Oliver Henning

Copyright 2003-2004 immodule for Qt Project

Copyright 1996-2001 David Turner Robert Wilhelm and Werner Lemberg

Copyright 2007 Staikos Computing Services Inc

Copyright 1999 CERN - European Organization for Nuclear Research

Copyright 2004-2015 Free Software Foundation Inc. Written by Scott James Remnant

8Ph(@Xp (8HXhx

Copyright 2007 Pallets

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A

Copyright 2007 Pallets

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

```
jolib version 0.15.1
<<<<<<<xilinx-separator>>>>>>>
```

BSD 3-Clause License

Copyright (c) 2008-2016, The joblib developers.
All rights reserved.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 2012 Regents of the University of California.
Copyright 2012 Olivier Grisel License BSD
Copyright 2009 Brian Quinlan
Copyright 2017 Loic Esteve License BSD
Copyright 2017 Thomas Moreau License BSD
Copyright 2010 Gael Varoquaux License BSD
Copyright (c) 2009-2011 joblib developpers All rights reserved.
Copyright 2008-2011 Gael Varoquaux License BSD Style
Copyright 2010 Gael Varoquaux
Copyright (c) 2008-2016 The joblib developers. All rights reserved.

```
jquery version 3.1.0
<<<<<<<xilinx-separator>>>>>>>>
```

The following text is found at URL (<https://www.nuget.org/packages/jquery/3.1.0>):

License details:

MIT License

The following text is found at URL (<https://www.nuget.org/packages/jquery/3.1.0>):

License details:

MIT License

The following text is found at URL (<https://www.nuget.org/packages/jquery/3.1.0>):

License details:

MIT License

json-pointer version 3.0.0

```
<<<<<<<xilinx-separator>>>>>>>
```

Copyright (c) 2011 Stefan Kögl <stefan@skoegl.net>

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

jsonschema version 4.2.1

```
<<<<<<<xilinx-separator>>>>>>>
```

Copyright (c) 2013 Julian Berman

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS". WITHOUT WARRANTY OF ANY KIND, EXPRESS OR

Copyright (c) 2013 Julian Berman

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright (c) 2013 Julian Berman

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE

```
juno-windriver-wdreg version 10.21
<<<<<<<xilinx-separator>>>>>>>
```

WinDriver™ v8.11

Jungo© 1997 - 2006

JUNGO ("LICENSOR") IS WILLING TO LICENSE THE ACCOMPANYING SOFTWARE TO YOU ONLY IF YOU ACCEPT ALL OF THE TERMS IN THIS LICENSE AGREEMENT. PLEASE READ THE TERMS CAREFULLY BEFORE YOU INSTALL THE SOFTWARE, BECAUSE BY INSTALLING THE SOFTWARE YOU ARE AGREEING TO BE BOUND BY THE TERMS OF THIS AGREEMENT. IF YOU DO NOT AGREE TO THESE TERMS, LICENSOR WILL NOT LICENSE THIS SOFTWARE TO YOU, AND IN THAT CASE YOU SHOULD IMMEDIATELY DELETE ALL COPIES OF THIS SOFTWARE YOU HAVE IN ANY FORM.

OWNERSHIP OF THE SOFTWARE

1. The enclosed Licensor software program ("Software") and the accompanying written materials are owned by Licensor or its suppliers and are protected by United States of America copyright laws, by laws of other nations, and by international treaties.

GRANT OF LICENSE

2. The scope of your license depends on the type of license you purchased from Jungo.

The variety of license scopes is set forth below:

(a) Node-lock (Single license for one developer on one development computer):

- **Individuals:** Jungo grants you as an individual, a personal non-exclusive, "one-user" license to use the Software on a single computer in the manner provided below at the site for which the license was given.
- **Entities:** If you are an entity, Jungo grants you the right to designate one individual within your organization to have the right to use the Software on a single computer in the manner provided below at the site for which the license was given.

(b) Single-user floating license (one concurrent developer):

- **Individuals:** Jungo grants you as an individual, a personal, non-exclusive, "one-user" license to use the Software (i.e., only you may use the Software) on either stand-alone computers or on computer networks by a maximum of ONE copy of the Software to be running at any given time in the manner provided below at the site for which the license was given.
- **Entities:** If you are an entity, Jungo grants you the right to designate individuals within your organization to have the right to use the Software on either stand-alone computers or on computer networks by a maximum of ONE copy of the Software to be running at any given time and a maximum of ONE individual using this running copy in the manner provided below at the site for which the license was given.

3. If you have not yet purchased a license to the Software, Licensor grants you the right to use the Software for an evaluation period of 30 days. If you wish to continue using the Software and accompanying written materials after the evaluation period, you must register the Software by sending the required payment to Licensor. You will then receive a license for continued use and a registration

code that will permit you to use the Software on a single computer free of payment reminders. The Software may come with extra programs and features that are available for use only to registered users through the use of their registration code.

RESTRICTIONS ON USE AND TRANSFER

4. Files distribution:

(a) You may not distribute any of the headers or source files that are included in the Software package unless otherwise specified in this section.

(b) The license allows you, royalty free, to distribute the following files only when complying with sections 4c – 4f and section 5 of this agreement:

- Windows:

- windrvr6.sys
- wdapi811.dll
- wdapi_dotnet811.dll (Windows 2000/XP/Server 2003/Vista)
- wdreg.exe
- difxapi.dll

- Windows CE:

- windrvr6.dll
- wdapi811.dll

- Linux:

- windrvr_gcc_v2.a windrvr_gcc_v3.a windrvr_gcc_v3_regparm.a
- kp_linux_gcc_v2.o kp_linux_gcc_v3.o kp_linux_gcc_v3_regparm.o
- libwdapi811.so kp_wdapi811_gcc_v2.a
- kp_wdapi811_gcc_v3.a, kp_wdapi811_gcc_v3_regparm.a
- linux_wrappers.c, linux_wrappers.h, wdbus_linux.c, wdbus_interface.h, wd_ver.h, linux_common.h, windrvr.h

- wdreg

- Solaris:

- windrvr6
- libwdapi811.so

- VxWorks:

- windrvr6.o

(c) The files listed in section 4b may be distributed only as part of the application you are distributing, and only if they significantly contribute to the functionality of your application.

(d) NOTE: The distribution of the windrvr.h header file is permitted only on Linux.

(e) You may not modify the distributed files specified in section 4b of this agreement.

(f) You may not distribute any header file that describes the WinDriver functions, or functions that call the WinDriver functions and have the same basic functionality as that of the WinDriver functions.

5. WinDriver may not be used to develop a development product, an API, or any products, which will eventually be part of a development product or environment, without the written consent of the licensor.

6. You may make printed copies of the written materials accompanying the Software provided that only users bound by this license use them.

7. You may not distribute or transfer your registration code or transfer the rights given by the registration code.

8. You may not rent or lease the Software or otherwise transfer or assign the right to use the Software.

9. You may not reverse engineer, decompile, or disassemble the Software.

DISCLAIMER OF WARRANTY

10. THIS SOFTWARE AND ITS ACCOMPANYING WRITTEN MATERIALS ARE PROVIDED BY LICENSOR "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT, ARE DISCLAIMED.

11. IN NO EVENT SHALL LICENSOR OR ITS SUPPLIERS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, SAVINGS, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN

software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

About the Jupyter Development Team

The Jupyter Development Team is the set of all contributors to the Jupyter project. This includes all of the Jupyter subprojects.

The core team that coordinates development on GitHub can be found here: <https://github.com/jupyter/>.

Our Copyright Policy

Jupyter uses a shared copyright model. Each contributor maintains copyright over their contributions to Jupyter. But, it is important to note that these contributions are typically only changes to the repositories. Thus, the Jupyter source code, in its entirety is not the copyright of any single person or institution. Instead, it is the collective copyright of the entire Jupyter Development Team. If individual contributors want to maintain a record of what changes/contributions they have specific copyright on, they should indicate their copyright in the commit message of the change, when they commit the change to one of the Jupyter repositories.

With this in mind, the following banner should be used in any source code file to indicate the copyright and license terms:

```
# Copyright (c) Jupyter Development Team.  
# Distributed under the terms of the Modified BSD License.
```

```
jupyter-client version 7.0.6  
<<<<<<<<<xilinx-separator>>>>>>>>>
```

Licensing terms

This project is licensed under the terms of the Modified BSD License (also known as New or Revised or 3-Clause BSD), as follows:

- Copyright (c) 2001-2015, IPython Development Team
- Copyright (c) 2015-, Jupyter Development Team

All rights reserved.

Redistribution and use in source and binary forms, with or without

modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of the Jupyter Development Team nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

About the Jupyter Development Team

The Jupyter Development Team is the set of all contributors to the Jupyter project. This includes all of the Jupyter subprojects.

The core team that coordinates development on GitHub can be found here: <https://github.com/jupyter/>.

Our Copyright Policy

Jupyter uses a shared copyright model. Each contributor maintains copyright over their contributions to Jupyter. But, it is important to note that these contributions are typically only changes to the repositories. Thus, the Jupyter source code, in its entirety is not the copyright of any single person or institution. Instead, it is the collective copyright of the entire Jupyter Development Team. If individual contributors want to maintain a record of what changes/contributions they have specific copyright on, they should indicate their copyright in the commit message of the change, when they commit the change to one of the Jupyter repositories.

With this in mind, the following banner should be used in any source code file to indicate the copyright and license terms:

```
# Copyright (c) Jupyter Development Team.  
# Distributed under the terms of the Modified BSD License.
```

```
jupyter-client version 7.4.9  
<<<<<<<<<xilinx-separator>>>>>>>>>
```

Licensing terms

This project is licensed under the terms of the Modified BSD License (also known as New or Revised or 3-Clause BSD), as follows:

- Copyright (c) 2001-2015, IPython Development Team
- Copyright (c) 2015-, Jupyter Development Team

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of the Jupyter Development Team nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

About the Jupyter Development Team

The Jupyter Development Team is the set of all contributors to the Jupyter project. This includes all of the Jupyter subprojects.

The core team that coordinates development on GitHub can be found here: <https://github.com/jupyter/>.

Our Copyright Policy

Jupyter uses a shared copyright model. Each contributor maintains copyright over their contributions to Jupyter. But, it is important to note that these contributions are typically only changes to the repositories. Thus, the Jupyter source code, in its entirety is not the copyright of any single person or institution. Instead, it is the collective copyright of the entire Jupyter Development Team. If individual contributors want to maintain a record of what changes/contributions they have specific copyright on, they should indicate their copyright in the commit message of the change, when they commit the change to one of the Jupyter repositories.

With this in mind, the following banner should be used in any source code file to indicate the copyright and license terms:


```
# Copyright (c) Jupyter Development Team.  
# Distributed under the terms of the Modified BSD License.
```

Licensing terms

This project is licensed under the terms of the Modified BSD License (also known as New or Revised or 3-Clause BSD), as follows:

- Copyright (c) 2001-2015, IPython Development Team
- Copyright (c) 2015-, Jupyter Development Team

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of the Jupyter Development Team nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

About the Jupyter Development Team

The Jupyter Development Team is the set of all contributors to the Jupyter project. This includes all of the Jupyter subprojects.

The core team that coordinates development on GitHub can be found here: <https://github.com/jupyter/>.

Our Copyright Policy

Jupyter uses a shared copyright model. Each contributor maintains copyright over their contributions to Jupyter. But, it is important to note that these

contributions are typically only changes to the repositories. Thus, the Jupyter source code, in its entirety is not the copyright of any single person or institution. Instead, it is the collective copyright of the entire Jupyter Development Team. If individual contributors want to maintain a record of what changes/contributions they have specific copyright on, they should indicate their copyright in the commit message of the change, when they commit the change to one of the Jupyter repositories.

With this in mind, the following banner should be used in any source code file to indicate the copyright and license terms:

```
# Copyright (c) Jupyter Development Team.  
# Distributed under the terms of the Modified BSD License.
```

```
# Licensing terms
```

This project is licensed under the terms of the Modified BSD License (also known as New or Revised or 3-Clause BSD), as follows:

```
- Copyright (c) 2001-2015, IPython Development Team  
- Copyright (c) 2015-, Jupyter Development Team
```

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of the Jupyter Development Team nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

```
## About the Jupyter Development Team
```

The Jupyter Development Team is the set of all contributors to the Jupyter project.

Our Copyright Policy

Jupyter uses a shared copyright model. Each contributor maintains copyright over their contributions to Jupyter. But, it is important to note that these contributions are typically only changes to the repositories. Thus, the Jupyter source code, in its entirety is not the copyright of any single person or institution. Instead, it is the collective copyright of the entire Jupyter Development Team. If individual contributors want to maintain a record of what changes/contributions they have specific copyright on, they should indicate their copyright in the commit message of the change, when they commit the change to one of the Jupyter repositories.

With this in mind, the following banner should be used in any source code file to indicate the copyright and license terms:

Copyright (c) Jupyter Development Team.
Distributed under the terms of the Modified BSD License.

```
jupyter-console version 6.6.3
<<<<<<<xilinx-separator>>>>>>>
```

Licensing terms

This project is licensed under the terms of the Modified BSD License (also known as New or Revised or 3-Clause BSD), as follows:

- Copyright (c) 2001-2015, IPython Development Team
- Copyright (c) 2015-, Jupyter Development Team

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of the Jupyter Development Team nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE

DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

About the Jupyter Development Team

The Jupyter Development Team is the set of all contributors to the Jupyter project. This includes all of the Jupyter subprojects.

The core team that coordinates development on GitHub can be found here: <https://github.com/jupyter/>.

Our Copyright Policy

Jupyter uses a shared copyright model. Each contributor maintains copyright over their contributions to Jupyter. But, it is important to note that these contributions are typically only changes to the repositories. Thus, the Jupyter source code, in its entirety is not the copyright of any single person or institution. Instead, it is the collective copyright of the entire Jupyter Development Team. If individual contributors want to maintain a record of what changes/contributions they have specific copyright on, they should indicate their copyright in the commit message of the change, when they commit the change to one of the Jupyter repositories.

With this in mind, the following banner should be used in any source code file to indicate the copyright and license terms:

```
# Copyright (c) Jupyter Development Team.  
# Distributed under the terms of the Modified BSD License.
```

Licensing terms

This project is licensed under the terms of the Modified BSD License (also known as New or Revised or 3-Clause BSD), as follows:

- Copyright (c) 2001-2015, IPython Development Team
- Copyright (c) 2015-, Jupyter Development Team

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The Jupyter Development Team is the set of all contributors to the Jupyter project. This includes all of the Jupyter subprojects.

Our Copyright Policy

Jupyter uses a shared copyright model. Each contributor maintains copyright over their contributions to Jupyter. But, it is important to note that these contributions are typically only changes to the repositories. Thus, the Jupyter source code, in its entirety is not the copyright of any single person or institution. Instead, it is the collective copyright of the entire Jupyter Development Team. If individual contributors want to maintain a record of what changes/contributions they have specific copyright on, they should indicate their copyright in the commit message of the change, when they commit the change to one of the Jupyter repositories.

With this in mind, the following banner should be used in any source code file to indicate the copyright and license terms:

Copyright (c) Jupyter Development Team.
Distributed under the terms of the Modified BSD License.

```
jupyter-core version 4.9.1
<<<<<<<xilinx-separator>>>>>>>>
```

The Jupyter licensing terms

Jupyter is licensed under the terms of the Modified BSD License (also known as New or Revised or 3-Clause BSD), as follows:

- Copyright (c) 2015-, Jupyter Development Team

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of the Jupyter Development Team nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

About the Jupyter Development Team

The Jupyter Development Team is the set of all contributors to the Jupyter project. This includes all of the Jupyter subprojects. A full list with details is kept in the documentation directory, in the file ``about/credits.txt``.

The core team that coordinates development on GitHub can be found here: <https://github.com/ipython/>.

Our Copyright Policy

Jupyter uses a shared copyright model. Each contributor maintains copyright over their contributions to Jupyter. It is important to note that these contributions are typically only changes to the repositories. Thus, the Jupyter source code in its entirety is not the copyright of any single person or institution. Instead, it is the collective copyright of the entire Jupyter Development Team. If individual contributors want to maintain a record of what changes/contributions they have specific copyright on, they should indicate their copyright in the commit message of the change, when they commit the change to one of the Jupyter repositories.

With this in mind, the following banner should be used in any source code file to indicate the copyright and license terms:

```
# Copyright (c) Jupyter Development Team.  
# Distributed under the terms of the Modified BSD License.
```

Jupyter is licensed under the terms of the Modified BSD License (also known as New or Revised or 3-Clause BSD), as follows:

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of the Jupyter Development Team nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The Jupyter Development Team is the set of all contributors to the Jupyter project. This includes all of the Jupyter subprojects. A full list with details is kept in the documentation directory, in the file ``about/credits.txt``.

The core team that coordinates development on GitHub can be found here: <https://github.com/ipython/>.

Jupyter uses a shared copyright model. Each contributor maintains copyright over their contributions to Jupyter. It is important to note that these contributions are typically only changes to the repositories. Thus, the Jupyter source code in its entirety is not the copyright of any single person or institution. Instead, it is the collective copyright of the entire Jupyter Development Team. If individual contributors want to maintain a record of what changes/contributions they have specific copyright on, they should indicate

With this in mind, the following banner should be used in any source code file to indicate the copyright and license terms:

Copyright (c) Jupyter Development Team.
Distributed under the terms of the Modified BSD License.

```
jupyter-events version 0.12.0
<<<<<<<xilinx-separator>>>>>>>>
```

Licensing terms

This project is licensed under the terms of the Modified BSD License (also known as New or Revised or 3-Clause BSD), as follows:

- Copyright (c) 2001-2015, IPython Development Team
- Copyright (c) 2015-, Jupyter Development Team

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of the Jupyter Development Team nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

About the Jupyter Development Team

The Jupyter Development Team is the set of all contributors to the Jupyter project. This includes all of the Jupyter subprojects.

The core team that coordinates development on GitHub can be found here:

Our Copyright Policy

Jupyter uses a shared copyright model. Each contributor maintains copyright over their contributions to Jupyter. But, it is important to note that these contributions are typically only changes to the repositories. Thus, the Jupyter source code, in its entirety is not the copyright of any single person or institution. Instead, it is the collective copyright of the entire Jupyter Development Team. If individual contributors want to maintain a record of what changes/contributions they have specific copyright on, they should indicate their copyright in the commit message of the change, when they commit the change to one of the Jupyter repositories.

With this in mind, the following banner should be used in any source code file to indicate the copyright and license terms:

```
# Copyright (c) Jupyter Development Team.
# Distributed under the terms of the Modified BSD License.
```

```
jupyter-server version 2.15.0
<<<<<<<xilinx-separator>>>>>>>>
```

Licensing terms

This project is licensed under the terms of the Modified BSD License (also known as New or Revised or 3-Clause BSD), as follows:

- Copyright (c) 2001-2015, IPython Development Team
- Copyright (c) 2015-, Jupyter Development Team

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of the Jupyter Development Team nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR

SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

About the Jupyter Development Team

The Jupyter Development Team is the set of all contributors to the Jupyter project. This includes all of the Jupyter subprojects.

The core team that coordinates development on GitHub can be found here: <https://github.com/jupyter/>.

Our Copyright Policy

Jupyter uses a shared copyright model. Each contributor maintains copyright over their contributions to Jupyter. But, it is important to note that these contributions are typically only changes to the repositories. Thus, the Jupyter source code, in its entirety is not the copyright of any single person or institution. Instead, it is the collective copyright of the entire Jupyter Development Team. If individual contributors want to maintain a record of what changes/contributions they have specific copyright on, they should indicate their copyright in the commit message of the change, when they commit the change to one of the Jupyter repositories.

With this in mind, the following banner should be used in any source code file to indicate the copyright and license terms:

```
# Copyright (c) Jupyter Development Team.
# Distributed under the terms of the Modified BSD License.
```

```
jupyter-server-terminals version 0.5.3
<<<<<<<xilinx-separator>>>>>>>
```

Licensing terms

This project is licensed under the terms of the Modified BSD License (also known as New or Revised or 3-Clause BSD), as follows:

- Copyright (c) 2001-2015, IPython Development Team
- Copyright (c) 2015-, Jupyter Development Team

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of the Jupyter Development Team nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

About the Jupyter Development Team

The Jupyter Development Team is the set of all contributors to the Jupyter project. This includes all of the Jupyter subprojects.

The core team that coordinates development on GitHub can be found here: <https://github.com/jupyter/>.

Our Copyright Policy

Jupyter uses a shared copyright model. Each contributor maintains copyright over their contributions to Jupyter. But, it is important to note that these contributions are typically only changes to the repositories. Thus, the Jupyter source code, in its entirety is not the copyright of any single person or institution. Instead, it is the collective copyright of the entire Jupyter Development Team. If individual contributors want to maintain a record of what changes/contributions they have specific copyright on, they should indicate their copyright in the commit message of the change, when they commit the change to one of the Jupyter repositories.

With this in mind, the following banner should be used in any source code file to indicate the copyright and license terms:

```
# Copyright (c) Jupyter Development Team.  
# Distributed under the terms of the Modified BSD License.
```

```
jupyterlab-pygments version 0.1.2  
<<<<<<<<xilinx-separator>>>>>>>>>
```

```
# Copyright (c) Jupyter Development Team.  
# Distributed under the terms of the Modified BSD License.
```

[Public]

Copyright (c) 2015 Project Jupyter Contributors
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this
list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice,
this list of conditions and the following disclaimer in the documentation
and/or other materials provided with the distribution.
3. Neither the name of the copyright holder nor the names of its
contributors may be used to endorse or promote products derived from
this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"
AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER
CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Semver File License
=====

The semver.py file is from <https://github.com/podhmo/python-semver>
which is licensed under the "MIT" license. See the semver.py file for details.

jupyterlab-pygments version 0.3.0
<<<<<<<<<<xilinx-separator>>>>>>>>>

Copyright (c) Jupyter Development Team.
Distributed under the terms of the Modified BSD License.

Copyright (c) 2015 Project Jupyter Contributors
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this

list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Semver File License

The semver.py file is from <https://github.com/podhmo/python-semver> which is licensed under the "MIT" license. See the semver.py file for details.

```
jupyterlab-widgets version 1.0.2
<<<<<<<xilinx-separator>>>>>>>>
```

Copyright (c) 2015 Project Jupyter Contributors
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL

DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This package bundles several JavaScript npm packages in the `jupyterlab_widgets/static` directory. Their licenses (as packaged in their distributions in the `node_modules` package installation directory) are copied below.

From `css-loader/LICENSE`:

Copyright JS Foundation and other contributors

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the 'Software'), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED 'AS IS', WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

From `style-loader/LICENSE`:

Copyright JS Foundation and other contributors

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the 'Software'), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED 'AS IS', WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT,

TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

From backbone/backbone.js

```
// (c) 2010-2015 Jeremy Ashkenas, DocumentCloud and Investigative Reporters & Editors
// Backbone may be freely distributed under the MIT license.
// For all details and documentation:
// http://backbonejs.org
```

From base-64/LICENSE

The MIT License (MIT)

Copyright (c) 2014 Jameson Little

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

From lodash/LICENSE

Copyright OpenJS Foundation and other contributors <<https://openjsf.org/>>

Based on Underscore.js, copyright Jeremy Ashkenas,
DocumentCloud and Investigative Reporters & Editors <<http://underscorejs.org/>>

This software consists of voluntary contributions made by many individuals. For exact contribution history, see the revision history available at <https://github.com/lodash/lodash>

The following license applies to all parts of this software except as documented below:

====

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to

permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

====

Copyright and related rights for sample code are waived via CC0. Sample code is defined as all source code displayed within the prose of the documentation.

CC0: <http://creativecommons.org/publicdomain/zero/1.0/>

====

Files located in the node_modules and vendor directories are externally maintained libraries used by this software which have their own licenses; we recommend you read them, as their terms may differ from the terms above.

From d3-format/LICENSE:

Copyright 2010-2015 Mike Bostock
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of the author nor the names of contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS

SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

From jquery-ui/LICENSE.txt

Copyright jQuery Foundation and other contributors, <https://jquery.org/>

This software consists of voluntary contributions made by many individuals. For exact contribution history, see the revision history available at <https://github.com/jquery/jquery-ui>

The following license applies to all parts of this software except as documented below:

====

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

====

Copyright and related rights for sample code are waived via CC0. Sample code is defined as all source code contained within the demos directory.

CC0: <http://creativecommons.org/publicdomain/zero/1.0/>

====

All files located in the node_modules and external directories are externally maintained libraries used by this software which have their own licenses; we recommend you read them, as their terms may differ from the terms above.

From jquery/LICENSE.txt

Copyright JS Foundation and other contributors, <https://js.foundation/>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish,

distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

From semver/LICENSE:

The ISC License

Copyright (c) Isaac Z. Schlueter and Contributors

Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

From underscore/LICENSE

Copyright (c) 2009-2018 Jeremy Ashkenas, DocumentCloud and Investigative Reporters & Editors

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING

```
jupyterlab-widgets version 3.0.13
<<<<<<<xilinx-separator>>>>>>>
```

Copyright (c) 2015 Project Jupyter Contributors
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This package bundles several JavaScript npm packages in the `jupyterlab_widgets/static` directory. Their licenses (as packaged in their distributions in the `node_modules` package installation directory) are copied below.

From [css-loader/LICENSE](#):

Copyright JS Foundation and other contributors

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the 'Software'), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED 'AS IS', WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

From style-loader/LICENSE:

Copyright JS Foundation and other contributors

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the 'Software'), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED 'AS IS', WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

From backbone/backbone.js

```
// (c) 2010-2015 Jeremy Ashkenas, DocumentCloud and Investigative Reporters & Editors
// Backbone may be freely distributed under the MIT license.
// For all details and documentation:
// http://backbonejs.org
```

From base-64/LICENSE

The MIT License (MIT)

Copyright (c) 2014 Jameson Little

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

From lodash/LICENSE

Copyright OpenJS Foundation and other contributors <<https://openjsf.org/>>

Based on Underscore.js, copyright Jeremy Ashkenas,
DocumentCloud and Investigative Reporters & Editors <<http://underscorejs.org/>>

This software consists of voluntary contributions made by many individuals. For exact contribution history, see the revision history available at <https://github.com/lodash/lodash>

The following license applies to all parts of this software except as documented below:

====

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

====

Copyright and related rights for sample code are waived via CC0. Sample code is defined as all source code displayed within the prose of the documentation.

CC0: <http://creativecommons.org/publicdomain/zero/1.0/>

====

Files located in the node_modules and vendor directories are externally

maintained libraries used by this software which have their own licenses; we recommend you read them, as their terms may differ from the terms above.

From d3-format/LICENSE:

Copyright 2010-2015 Mike Bostock
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of the author nor the names of contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

From jquery-ui/LICENSE.txt

Copyright jQuery Foundation and other contributors, <https://jquery.org/>

This software consists of voluntary contributions made by many individuals. For exact contribution history, see the revision history available at <https://github.com/jquery/jquery-ui>

The following license applies to all parts of this software except as documented below:

====

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be

included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

====

Copyright and related rights for sample code are waived via CC0. Sample code is defined as all source code contained within the demos directory.

CC0: <http://creativecommons.org/publicdomain/zero/1.0/>

====

All files located in the node_modules and external directories are externally maintained libraries used by this software which have their own licenses; we recommend you read them, as their terms may differ from the terms above.

From jquery/LICENSE.txt

Copyright JS Foundation and other contributors, <https://js.foundation/>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

From semver/LICENSE:

The ISC License

Copyright (c) Isaac Z. Schlueter and Contributors

Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

Copyright (c) 2009-2018 Jeremy Ashkenas, DocumentCloud and Investigative Reporters & Editors

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

```
keras version 3.11.3
<<<<<<<xilinx-separator>>>>>>>>
```

The text of the Apache License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s)

```
kiwisolver version 1.4.9
<<<<<<<xilinx-separator>>>>>>>
```

=====

The Kiwi licensing terms

=====

Kiwi is licensed under the terms of the Modified BSD License (also known as New or Revised BSD), as follows:

Copyright (c) 2013-2025, Nucleic Development Team

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of the Nucleic Development Team nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

About Kiwi

Chris Colbert began the Kiwi project in December 2013 in an effort to create a blisteringly fast UI constraint solver. Chris is still the project lead.

The Nucleic Development Team is the set of all contributors to the Nucleic project and its subprojects.

The core team that coordinates development on GitHub can be found here: <http://github.com/nucleic>. The current team consists of:

* Chris Colbert

Our Copyright Policy

Nucleic uses a shared copyright model. Each contributor maintains copyright over their contributions to Nucleic. But, it is important to note that these contributions are typically only changes to the repositories. Thus, the Nucleic source code, in its entirety is not the copyright of any single person or institution. Instead, it is the collective copyright of the entire Nucleic Development Team. If individual contributors want to maintain a record of what changes/contributions they have specific copyright on, they should indicate their copyright in the commit message of the change, when they commit the change to one of the Nucleic repositories.

The text of the Apache License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s)

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE NETBSD FOUNDATION, INC. AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES

The text of the GNU Library General Public License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

Copyright (C) 2008 by Marek Vavruša

The software in this package is distributed under the GNU General Public License version 2 (with a special exception described below).

A copy of GNU General Public License (GPL) is made available below in Part Four of this document.

As a special exception, if other files instantiate templates or use macros or inline functions from this file, or you compile this file and link it with other works to produce a work based on this file, this file does not by itself cause the resulting work to be covered by the GNU General Public License.

However the source code for this file must still be made available in accordance with section (3) of the GNU General Public License.

This exception does not invalidate any other reasons why a work based on this file might be covered by the GNU General Public License.

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License version 2 as published by the Free Software Foundation.

This program is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License version 2.1 as published by the Free Software Foundation

Vivado ML Lab Solutions Third Party Licensing Guide 2025.10.24 392

Copyright (C) 2005 - 2011 Free Software Foundation, Inc.

The following copyright notice applies to all the files in the GNU OpenMP Library (libgomp):

“This file is part of the GNU OpenMP Library (libgomp).

Libgomp is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 3, or (at your option) any later version.

Libgomp is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

Under Section 7 of GPL version 3, you are granted additional permissions described in the GCC Runtime Library Exception, version 3.1, as published by the Free Software Foundation.

You should have received a copy of the GNU General Public License and a copy of the GCC Runtime Library Exception along with this program; see the files COPYING3 and COPYING.RUNTIME respectively. If not, see <<http://www.gnu.org/licenses/>>.”

+++++

The text of the GCC RUNTIME LIBRARY EXCEPTION Version 3.1 (31 March 2009), a copy of which is made available below in Part Four of this document, was originally presented here.

+++++

The text of the GNU General Public License, Version 2 (June 1991), a copy of which is made available below in Part Four of this document, was originally presented here.

libstdc++ version 4.8.0

<<<<<<<<xilinx-separator>>>>>>>>>

Copyright (c) 1994-2011 Free Software Foundation

This file is part of the libstdc++ version 3 distribution and/or the GNU ISO C++ Library.

This library is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 3, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

Under Section 7 of GPL version 3, you are granted additional permissions described in the GCC Runtime Library Exception, version 3.1, as published by the Free Software Foundation.

You should have received a copy of the GNU General Public License along with this library; see the file COPYING3. If not see <<http://www.gnu.org/licenses/>>.

+++++

The text of the GCC RUNTIME LIBRARY EXCEPTION Version 3.1 (31 March 2009), a copy of which is made available below in Part Four of this document, was originally presented here.

+++++

The text of the GNU Lesser General Public License, Version 3 (29 June 2007), a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

+++++

The text of the GNU General Public License, Version 3 (29 June 2007), a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

+++++

The text of the GNU Lesser General Public License, Version 2.1 (February 1999), a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

+++++

The text of the GNU General Public License, Version 2 (June 1991), a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

+++++

Copyright 2001 Benjamin Kosnik <bkoz@redhat.com>
Copyright (c) 2002-2009 Gabriel Dos Reis gdr@integrable-solutions.net
Copyright (c) 2002-2009 Benjamin Kosnik bkoz@redhat.com

Permission to use, copy, modify, sell, and distribute this software is hereby granted without fee, provided that the above copyright notice appears in all copies, and that both that copyright notice and this permission notice appear in supporting documentation. None of the above authors, nor IBM Haifa Research Laboratories, make any representation about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

You should have received a copy of the GNU General Public License along with this library; see the file COPYING. If not, write to the Free Software Foundation, 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

As a special exception, you may use this file as part of a free software library without restriction. Specifically, if other files instantiate templates or use macros or inline functions from this file, or you compile this file and link it with other files to produce an executable, this file does not by itself cause the resulting executable to be covered by the GNU General Public License. This exception does not however invalidate any other reasons why the executable file might be covered by the GNU General Public License.

+++++

Certain files copyright (c) Jeremy Siek 2000. Permission to copy, use, modify, sell and distribute this software is granted provided this copyright notice appears in all copies. This software is provided "as is" without express or implied warranty, and with no claim as to its suitability for any purpose.

+++++

Certain files are distributed under the Boost Software License, Version 1.0. a copy of which is made available below in Part Four of this document

[Public]

```
m4_if(m4_defn([AC_AUTOCONF_VERSION]), [2.68],,  
[m4_warning([this file was generated for autoconf 2.68.  
You have another version of autoconf. It may work, but is not guaranteed to.  
If you have problems, you may need to regenerate the build system entirely.  
To do so, use the procedure documented by the package, typically `autoreconf'.]))]
```

```
# libtool.m4 - Configure libtool for the host system. -*-Autoconf-*-  
#  
# Copyright (C) 1996, 1997, 1998, 1999, 2000, 2001, 2003, 2004, 2005,  
# 2006, 2007, 2008, 2009, 2010 Free Software Foundation,  
# Inc.  
# Written by Gordon Matzigkeit, 1996  
#  
# This file is free software; the Free Software Foundation gives  
# unlimited permission to copy and/or distribute it, with or without  
# modifications, as long as this notice is preserved.
```

```
m4_define([_LT_COPYING], [dnl  
# Copyright (C) 1996, 1997, 1998, 1999, 2000, 2001, 2003, 2004, 2005,  
# 2006, 2007, 2008, 2009, 2010 Free Software Foundation,  
# Inc.  
# Written by Gordon Matzigkeit, 1996  
#  
# This file is part of GNU Libtool.  
#  
# GNU Libtool is free software; you can redistribute it and/or  
# modify it under the terms of the GNU General Public License as  
# published by the Free Software Foundation; either version 2 of  
# the License, or (at your option) any later version.  
#  
# As a special exception to the GNU General Public License,  
# if you distribute this file as part of a program or library that  
# is built using GNU Libtool, you may include this file under the  
# same distribution terms that you use for the rest of that program.  
#  
# GNU Libtool is distributed in the hope that it will be useful,  
# but WITHOUT ANY WARRANTY; without even the implied warranty of  
# MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the  
# GNU General Public License for more details.  
#  
# You should have received a copy of the GNU General Public License  
# along with GNU Libtool; see the file COPYING. If not, a copy  
# can be downloaded from http://www.gnu.org/licenses/gpl.html, or  
# obtained by writing to the Free Software Foundation, Inc.,  
# 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA.  
])
```

Copyright (C) 1996 1997 1999 2000 2002 2003 2004 2005 2006 2008 2009 Free Software Foundation Inc. Originally by Fran cois Pinard
<pinard@iro.umontreal.ca>

Copyright (C) 1994 X Consortium

Copyright 2010 Michael Plante <michael.plante@gmail.com>

Copyright 2001 Johannes Erdfelt <johannes@erdfelt.com>

Copyright (C) 2009-2012 Pete Batard <pete@akeo.ie>

Copyright 2004-2005, 2007-2009 Free Software Foundation Inc. Written by Gary V. Vaughan

Copyright 1991-2010 Free Software Foundation Inc

Copyright 2008-2012 Nathan Hjelm <hjelm@users.sourceforge.net>
Copyright 2004-2005, 2007, 2009 Free Software Foundation Inc. Written by Scott James Remnant
Copyright (C) 1999 2000 2003 2004 2005 2009 Free Software Foundation Inc. Written by Tom Tromey <tromey@cygnus.com>.
Copyright (C) 2011-2012 Hans de Goede <hdegoede@redhat.com>
Copyright 2011-2012 Martin Pieuchot <mpi@openbsd.org>
Copyright 2009-2010 Pete Batard <pbatard@gmail.com> With contributions from Michael Plante Orin Eman et al. Parts of poll
implementation from libusb-win32 by Stephan Meyer et al
Copyright (C) 2011 Vitali Lovich <vlovich@aliph.com>
Copyright 2009-2010 Pete Batard <pbatard@gmail.com> With contributions from Michael Plante Orin Eman et al. Parts of
Copyright 2007-2009 Daniel Drake <dsd@gentoo.org>
Copyright 2010-2012 Peter Stuge <peter@stuge.se>

files with proprietary headers:

- unistd.h
- gccollect.c
-

Copyright 2000 Ajuba Solutions
Copyright 2013-2014 Damien P. George
Copyright 2009-2010 ChaN
printf(Xilinx hw_server v s HWSERVER_VERSION) printf(Build date s at s date_stamp time_stamp) printf(Copyright 1986- s Xilinx Inc.
All Rights Reserved. date_stamp + strlen(date_stamp) - 4)
Copyright 1995-2017 Jean-loup Gailly and Mark Adler
Copyright 2017 Jungo Connectivity Ltd
Copyright 2001-2002 Microsoft Corp
Copyright (c) 1994-1997 Sun Microsystems Inc.
Copyright (c) 2003 - 2006 Jungo Ltd. http www.jungo.com
Copyright 1995-2006 Mark Adler
(c) 1997 - 2006 Build Date
Jungo Connectivity (c) 1997
Copyright (c) 1988-1994 The Regents of the University of California.
Copyright 1986-2021 Xilinx Inc
Copyright 1997-2006 Jungo
Copyright Microsoft Corporation
Copyright (c) 2000 Cypress Semiconductor. May not be reproduced without permission. See the EzUsb Developer's Kit license
agreement for more details.

llvm version 12.0

<<<<<<<<<xilinx-separator>>>>>>>>>

//==-----
//
// Part of the LLVM Project, under the Apache License v2.0 with LLVM Exceptions.
// See <https://llvm.org/LICENSE.txt> for license information.
// SPDX-License-Identifier: Apache-2.0 WITH LLVM-exception
//
//==-----

The text of the Apache License, Version 2.0, a copy of which is made available below in Part Four of this document, was originally
presented here, or as applicable, applies to the above-listed file(s).

--- LLVM Exceptions to the Apache 2.0 License ---

As an exception, if, as a result of your compiling your source code, portions of this Software are embedded into an Object form of such source code, you may redistribute such embedded portions in such Object form without complying with the conditions of Sections 4(a), 4(b) and 4(d) of the License.

In addition, if you combine or link compiled forms of this Software with software that is licensed under the GPLv2 ("Combined Software") and if a court of competent jurisdiction determines that the patent provision (Section 3), the indemnity provision (Section 9) or other Section of the License conflicts with the conditions of the GPLv2, you may retroactively and prospectively choose to deem waived or otherwise exclude such Section(s) of the License, but only in their entirety and only with respect to the Combined Software.

>>>> BSD

Copyright 2008, Google Inc.

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

>>> MIT

// Copyright (C) Microsoft Corporation. All rights reserved.

//

// Permission is hereby granted, free of charge, to any person obtaining
// a copy of this software and associated documentation files (the "Software"),
// to deal in the Software without restriction, including without limitation the
// rights to use, copy, modify, merge, publish, distribute, sublicense, and/or
// sell copies of the Software, and to permit persons to whom the Software is
// furnished to do so, subject to the following conditions:

//

// The above copyright notice and this permission notice shall be included in
// all copies or substantial portions of the Software.

```
//  
// THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR  
// IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,  
// FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE  
// AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER  
// LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,  
// OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE  
// SOFTWARE.  
// </license>
```

>>> Public Domain

```
* This is an OpenSSL-compatible implementation of the RSA Data Security, Inc.  
* MD5 Message-Digest Algorithm (RFC 1321).  
*  
* Homepage:  
* http://openwall.info/wiki/people/solar/software/public-domain-source-code/md5  
*  
* Author:  
* Alexander Peslyak, better known as Solar Designer <solar at openwall.com>  
*  
* This software was written by Alexander Peslyak in 2001. No copyright is  
* claimed, and the software is hereby placed in the public domain.  
* In case this attempt to disclaim copyright and place the software in the  
* public domain is deemed null and void, then the software is  
* Copyright (c) 2001 Alexander Peslyak and it is hereby released to the  
* general public under the following terms:  
*  
* Redistribution and use in source and binary forms, with or without  
* modification, are permitted.  
*  
* There's ABSOLUTELY NO WARRANTY, express or implied.  
*  
* See md5.c for more information.  
*/
```

>>>> GPL with Exception

```
# This file is free software; you can redistribute it and/or modify it  
# under the terms of the GNU General Public License as published by  
# the Free Software Foundation; either version 2 of the License, or  
# (at your option) any later version.  
#  
# This program is distributed in the hope that it will be useful, but  
# WITHOUT ANY WARRANTY; without even the implied warranty of  
# MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU  
# General Public License for more details.  
#  
# You should have received a copy of the GNU General Public License  
# along with this program; if not, write to the Free Software  
# Foundation, Inc., 51 Franklin Street - Fifth Floor, Boston, MA  
# 02110-1301, USA.  
#  
# As a special exception to the GNU General Public License, if you  
# distribute this file as part of a program that contains a  
# configuration script generated by Autoconf, you may include it under  
# the same distribution terms that you use for the rest of that program.
```

Copyright 2008-2010 Apple Inc
Copyright 2016 Ismael Jimenez Martinez
Copyright 1992-1994 Henry Spencer
Copyright 2002-2004 Tim J. Robbins
Copyright 1992-1994 The Regents of the University of California
Copyright 2009-2019 the contributors listed in CREDITS.TXT
Copyright 2006 Dean Edwards License
Copyright 2001-2004 Unicode Inc
Copyright 2001, 2007, 2009, 2015, 2017-2018 Google Inc
Copyright 2017 Roman Lebedev
Copyright 2001 Alexander Peslyak and it is hereby released to the general public
Copyright Microsoft Corporation

=====
The LLVM Project is under the Apache License v2.0 with LLVM Exceptions:
=====

Apache License
Version 2.0, January 2004
<http://www.apache.org/licenses/>

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work

(an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

- (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

- (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
- (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
- (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.
6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.
7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.
8. Limitation of Liability. In no event and under no legal theory,

whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

---- LLVM Exceptions to the Apache 2.0 License ----

As an exception, if, as a result of your compiling your source code, portions of this Software are embedded into an Object form of such source code, you may redistribute such embedded portions in such Object form without complying with the conditions of Sections 4(a), 4(b) and 4(d) of the License.

In addition, if you combine or link compiled forms of this Software with

software that is licensed under the GPLv2 ("Combined Software") and if a court of competent jurisdiction determines that the patent provision (Section 3), the indemnity provision (Section 9) or other Section of the License conflicts with the conditions of the GPLv2, you may retroactively and prospectively choose to deem waived or otherwise exclude such Section(s) of the License, but only in their entirety and only with respect to the Combined Software.

=====

Software from third parties included in the LLVM Project:

=====

The LLVM Project contains third party software which is under different license terms. All such code will be identified clearly using at least one of two mechanisms:

- 1) It will be in a separate directory tree with its own `LICENSE.txt` or `LICENSE` file at the top containing the specific license and restrictions which apply to that software, or
- 2) It will contain specific license and restriction terms at the top of every file.

=====

Legacy LLVM License (<https://llvm.org/docs/DeveloperPolicy.html#legacy>):

=====

University of Illinois/NCSA
Open Source License

Copyright (c) 2003-2019 University of Illinois at Urbana-Champaign.
All rights reserved.

Developed by:

LLVM Team

University of Illinois at Urbana-Champaign

<http://llvm.org>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal with the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimers.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimers in the documentation and/or other materials provided with the distribution.
- * Neither the names of the LLVM Team, University of Illinois at Urbana-Champaign, nor the names of its contributors may be used to endorse or promote products derived from this Software without specific prior written permission.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS

FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE CONTRIBUTORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS WITH THE SOFTWARE.

```
>>> BSD
// Copyright 2007, Google Inc.
// All rights reserved.
//
// Redistribution and use in source and binary forms, with or without
// modification, are permitted provided that the following conditions are
// met:
//
// * Redistributions of source code must retain the above copyright
// notice, this list of conditions and the following disclaimer.
// * Redistributions in binary form must reproduce the above
// copyright notice, this list of conditions and the following disclaimer
// in the documentation and/or other materials provided with the
// distribution.
// * Neither the name of Google Inc. nor the names of its
// contributors may be used to endorse or promote products derived from
// this software without specific prior written permission.
//
// THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
// "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
// LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR
// A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT
// OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
// SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
// LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
// DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
// THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
// (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
// OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
//
// Author: wan@google.com (Zhanyong Wan)

>>>
```

Copyright 2008-2010 Apple Inc
Copyright 2016 Ismael Jimenez Martinez
Copyright 1992-1994 Henry Spencer
Copyright 2012-2016 Yann Collet
Copyright 1992-1994 The Regents of the University of California
Copyright 2007-2010 the Sphinx team
Copyright 2006 Dean Edwards License
Copyright 2001-2004 Unicode Inc
Copyright 1992-2011 Free Software Foundation Inc
Copyright 2000 Free Software Foundation Inc. GDB is free software covered by the GNU General Public License and
Copyright 2003, 2005-2009, 2013, 2015, 2017-2018 Google Inc
Copyright 1998 Todd C. Miller <Todd.Miller@courtesan.com>
Copyright 2017 Roman Lebedev
Copyright 1997 Phillip F Knaack
Copyright 2001 Alexander Peslyak and it is hereby released to the general public
Copyright Microsoft Corporation
Copyright 2004 eXtensible Systems Inc

University of Illinois/NCSA
Open Source License

Copyright (c) 2003-2012 University of Illinois at Urbana-Champaign.
All rights reserved.

Developed by:

LLVM Team

University of Illinois at Urbana-Champaign

<http://llvm.org>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal with the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimers.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimers in the documentation and/or other materials provided with the distribution.
- * Neither the names of the LLVM Team, University of Illinois at Urbana-Champaign, nor the names of its contributors may be used to endorse or promote products derived from this Software without specific prior written permission.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE CONTRIBUTORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS WITH THE SOFTWARE.

Copyrights and Licenses for Third Party Software Distributed with LLVM:

The LLVM software contains code written by third parties. Such software will have its own individual LICENSE.TXT file in the directory in which it appears. This file will describe the copyrights, license, and restrictions which apply to that code.

The disclaimer of warranty in the University of Illinois Open Source License applies to all code in the LLVM Distribution, and nothing in any of the other licenses gives permission to use the names of the LLVM Team or the University of Illinois to endorse or promote products derived from this Software.

The following pieces of software have additional or alternate copyrights, licenses, and/or restrictions:

Program	Directory
-----	-----
Autoconf	llvm/autoconf llvm/projects/ModuleMaker/autoconf llvm/projects/sample/autoconf
CellSPU backend	llvm/lib/Target/CellSPU/README.txt
Google Test	llvm/utils/unittest/googletest
OpenBSD regex	llvm/lib/Support/{reg*, COPYRIGHT.regex}
pyyaml tests	llvm/test/YAMLParse/{*.data, LICENSE.TXT}

Copyright 2004-2006 Joao Abecasis
 Copyright 2006-2015 Paul A. Bristow
 Copyright (c) 2005 Jordan DeLong <http://spirit.sourceforge.net>
 Copyright 2013-2014 Agustin Berge
 Copyright 2009 Chris Lattner
 Copyright 1996-2007 Julian Seward <jseward@bzip.org>
 Copyright (c) 2012 Benjamin Schindler
 Copyright 2003 Ross Smith
 Copyright 1994 Hewlett-Packard Co
 Copyright (c) 2010 Sergey GooRoo Olendarenko
 (C) Copyright 2015 Kyle Lutz
 Copyright 2003 Sam Nabialek
 Copyright 2009-2015 Mario Mulansky
 Copyright 2006 Tobias Schwinger
 Copyright 2012, 2017 Marshall Clow
 Copyright 2008 Ilya Sokolov Boris Schaeling
 Copyright 2011 Jamboree
 Copyright 2000 Jens Maurer
 Copyright 2010 Olaf Peter
 Copyright 2004 Michael Stevens
 Copyright 2006-2009 Alexander Nasonov
 Copyright 2013-2015 Boost.Test team.
 Copyright 2005 David Abrahams Matthias Troyer Michael Gauckler
 Copyright 2005-2007 Dan Marsden
 Copyright 2003-2008 Thorsten Ottosen
 Copyright 2013 Pascal Germroth
 Copyright 2001-2002 Daniel C. Nuffer
 Copyright 2004 Eric Niebler Distributed
 Copyright 2014 Benoit Dequidt <benoit.dequidt@gmail.com>
 Copyright 2004-2014 boost
 Copyright 2001-2012 Hartmut Kaiser Distributed
 Copyright 2007 John Maddock and Paul A. Bristow. Distributed under the Boost Software License Version
 Copyright (c) 2012 yyyy yyyy <typhoonking77@hotmail.com>
 Copyright 2013 Edward Diener
 Copyright 2002-2004 Martin Wille
 Copyright 2012 ohn Maddock
 Copyright 2004 eXtensible Systems Inc

Copyright 1992-1994 Henry Spencer
Copyright 2013 Paul Bristow
Copyright 2012 Mario Mulansky Distributed
Copyright 2003 Giovanni Bajo
Copyright 2001-2005, 2008 Douglas Gregor
Copyright 2009-2015 Karsten Ahnert
Copyright 2010 Daniel James
Copyright (c) 2006 2007 Matthew Calabrese
Copyright 2012 David Bailey
Copyright 2008-2009 Ben Hanson
Copyright 2010 Michael Caisse
Copyright 2003, 2005 David Abrahams Daniel Wallin
Copyright 2001-2003 Dan Nuffer
Copyright 2013 Andreas Pokorny
Copyright 2013 Google Inc. All rights reserved. [http code.google.com](http://code.google.com)
Copyright Jeremy W. Murphy 2015
Copyright 2010-2011 Jeroen Habraken
Copyright (c) 2004 Stefan Slapeta
Copyright 2008 Gunter Winkler <guwi17@gmx.de>
Copyright 2006 Johan Rade
Copyright (c) 2013-2014 Denis Demidov
Copyright 2010 Niels Dekker
Copyright (c) 2011 Brian O'Kennedy
Copyright (c) 2004 Angus Leeming [http spirit.sourceforge.net](http://spirit.sourceforge.net)
Copyright 2008 Rene Rivera
Copyright 2008 Eli Friedman
Copyright 2012 Benjamin Sobotta
Copyright 2012-2013 Louis Dionne
Copyright 2003 Jonathan de Halleux (dehalleux@pelikhan.com)
Copyright 2006-2007 Julio M. Merino Vidal
Copyright 2014 John Fletcher
Copyright 2010 Zencoder Inc.
Copyright 2015 Michael Caisse ciere.com
Copyright 2014 Kyle Lutz <kyle.r.lutz@gmail.com> Distributed
Copyright 2011 Roji Philip
Copyright 2009 Robert Ramey -
Copyright 1994-2007, 2011 Beman Dawes
Copyright 2010 Larry Evans
Copyright (c) 2004 Vyacheslav E. Andrejev [http spirit.sourceforge.net](http://spirit.sourceforge.net)
Copyright Datasim Education BV 2009-2010
Copyright 2009-2012 Lorenzo Caminiti Distributed
Copyright 2013 Alex Korobka
Copyright 2007-2016 Andrey Semashev
Copyright 2008-2009 Katholieke Universiteit Leuven
Copyright 2009 Boris Schaeling
Copyright 2016 Raffi Enficiaud. Distributed
Copyright (c) 2011 Ryan Molden
Copyright 2014 Lee Clagett
Copyright 2001 Gennadiy Rozental & Ullrich Koethe
Copyright © 1998-2005 Joel de Guzman Hartmut Kaiser
Copyright 2005-2006 Shunsuke Sogame
Copyright (c) 2010 Gevorg Voskanyan
Copyright 2010 Peter Schueller
Copyright (c) 2011 Paul A. Bristow comments
Copyright 2011 Francois Mauger
Copyright 2001 Alexander Peslyak and it is hereby released to the general public
Copyright 2009-2012 Lorenzo Caminiti
Copyright 2002 Chris Uzdavinis

Copyright 2002, 2005-2016 John Maddock
Copyright 1992-1994 The Regents of the University of California
(C) Copyright Juergen Hunold 2006
Copyright 2015 Mario Mulansky <mario.mulansky@gmx.net>
Copyright 2005-2006 Danny Havenith
Copyright 1996-1997 Silicon Graphics Computer Systems Inc
Copyright 2005-2007 Daniel James. Distributed
Copyright 2007-2009, 2015-2016 Peter Dimov
Copyright (c) 2011 Robert Nelson
Copyright 2008 David Jenkins. Distributed
Copyright 2011 Thomas Heller Distributed
Copyright 2011 ACM
Copyright 2000-2003 Jaakko Jarvi (jaakko.jarvi@cs.utu.fi)
Copyright Beman Dawes Daryle Walker Gennaro Prota and John Maddock 2001-2009
Copyright 2003-2008 Matthias Christian Schabel
Copyright 2004, 2008 Eric Niebler. Distributed
Copyright 2014, 2016 Raffi Enficiaud
Copyright (c) 2011 Colin Rundel
Copyright 2001-2003 Daniel Nuffer
Copyright 2001, 2003, 2006 Daryle Walker
Copyright 2013-2015 Kyle Lutz <kyle.r.lutz@gmail.com>
Copyright 2002-2006 Kiyoshi Matsui <kmatsui@t3.rim.or.jp>
Copyright 2009-2011, 2014 Neil Groves
Copyright (c) 2009 Pavel Baranov
Copyright 2003 Eric Friedman Itay Maman
Copyright 2000-2003 Gary Powell (powellg@amazon.com)
Copyright (c) 2015 Ahmed Charles
Copyright 2007, 2010 John Maddock and Paul A. Bristow
Copyright 2002-2003, 2008 Fernando Luis Cacciola Carballal
Copyright 2004, 2009 Chris Hoeppler
Copyright 2010 Mathias Gaunard
Copyright 2013-2014 Rastko Anicic <anicic.rastko@gmail.com>
Copyright 2009 Matthias Vallentin
Copyright 2001-2013 Hartmut Kaiser
Copyright 1998 Todd C. Miller <Todd.Miller@courtesan.com>
Copyright 2005 Terje Sletteb and Kevlin Henney
Copyright 2001, 2003-2005 Hubert Holin
Copyright 2002-2003, 2007 The Trustees of Indiana University
Copyright 2001-2015 Gennadiy Rozental
Copyright 2005-2006 Daniel Wallin
Copyright 2009 Paul A. Britow
Copyright 2013 Pascal Germroth Distributed
Copyright 2011-2013 Edward Diener
Copyright 2011-2017 Antony Polukhin
Copyright 2006-2007 Daryle Walker Hubert Holin John Maddock
Copyright 2009 Howard Hinnant
Copyright 2011-2012 Jeff Flinn Boris Schaeling
Copyright (c) 2009 Jean-Francois Ostiguy
© Copyright Fernando Cacciola 2002 - 2010
Copyright 2013-2014 Anton Bikineev
Copyright 2014, 2804 Fabian Khler <fabian2804@googlemail.com>
Copyright (c) 2011 Joerg Becker
Copyright 2014-2016 Andrzej Krzemienski
Copyright (c) 2010 Head Geek
Copyright 2012 Phil Endecott Distributed under the Boost Software License Version
(C) Copyright 2015 Kyle Lutz Distributed under the Boost Software License Version
Copyright 2010 Carl Philipp Reh
Copyright 2001-2013 Hartmut Kaiser. Distributed

[Public]

Copyright 2002-2014 Christopher Kormanyos
Copyright 2005-2006 David Abrahams
Copyright John Maddock & Paul A. Bristow 2007 - 2012
Copyright (c) 2011 Laurent Gomila
Copyright 2002 Jeff Westfahl
Copyright 2001-2013 Free Software Foundation Inc
Copyright 2014 Marco Guazzone (marco.guazzone@gmail.com)
Copyright (c) 2016 Jason Rhinelander <jason@imaginary.ca>
Copyright (c) 2003 Giovanni Bajo Copyrigh
Copyright 2005 Carl Barron. Distributed
Copyright 2007-2009, 2012 Steven Watanabe
Copyright (c) 2011 Dean Michael Berries
Copyright 2010 Josh Wilson
Copyright (c) 2011 Matthias Born
Copyright 2015 Gregor de Cillia
Copyright 2003 Vaclav Vesely
Copyright 2015-2016 Jakub Szuppe <j.szuppe@gmail.com>
Copyright 2004, 2006 Eric Niebler
Copyright 1999 Jeremy Siek
Copyright 2015 Lingxi Li
Copyright 2011-2016 John Maddock. Distributed
Copyright 2011 Aaron Graham
Copyright 2001-2004 Unicode Inc
Copyright 2014 Roshan <thisisroshansmail@gmail.com>
Copyright (c) 2016 Klemens D. Morgenstern klemens.morgenstern at gmx dot net
Copyright 2010 Felipe Tanus Boris Schaeling
Copyright 2010-2011 Bryce Lebach
Copyright 2000-2002 Joerg Walter Mathias Koch
Copyright Daryle Walker Hubert Holin and John Maddock 2006
Copyright 2011 Thomas Bernard
Copyright 2008-2009 Francois Barel
Copyright 2002 Juan Carlos Arevalo-Baeza
Copyright 2009, 2013 Carl Barron
Copyright 2009 Paul A. Bristow & John Maddock
Copyright 2009 Edward Grace
Copyright 1998-2016 Joel de Guzman
Copyright 2012 Karsten Ahnert Distributed
Copyright 2011 Jan Frederick Eick
Copyright 2010 Lars Kielhorn
Copyright 2009 Erik Bryan
Copyright (c) 2009 Tor Brede Vekterli
Copyright 2008 Gunter Winkler <guwi17@gmx.de> Distributed

llvm version 3.9

<<<<<<<<xilinx-separator>>>>>>>>>

Copyright (c) 2003-2016 University of Illinois at Urbana-Champaign.

All rights reserved.

Developed by:

LLVM Team

University of Illinois at Urbana-Champaign

<http://llvm.org>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal with the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimers.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimers in the documentation and/or other materials provided with the distribution.
- * Neither the names of the LLVM Team, University of Illinois at Urbana-Champaign, nor the names of its contributors may be used to endorse or promote products derived from this Software without specific prior written permission.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE CONTRIBUTORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS WITH THE SOFTWARE.

=====
Copyrights and Licenses for Third Party Software Distributed with LLVM:
=====

The LLVM software contains code written by third parties. Such software will have its own individual LICENSE.TXT file in the directory in which it appears. This file will describe the copyrights, license, and restrictions which apply to that code.

The disclaimer of warranty in the University of Illinois Open Source License applies to all code in the LLVM Distribution, and nothing in any of the other licenses gives permission to use the names of the LLVM Team or the University of Illinois to endorse or promote products derived from this Software.

/*=====
*

*

- * Permission is hereby granted, free of charge, to any person obtaining a copy
- * of this software and associated documentation files (the "Software"), to deal
- * in the Software without restriction, including without limitation the rights
- * to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
- * copies of the Software, and to permit persons to whom the Software is
- * furnished to do so, subject to the following conditions:

*

- * The above copyright notice and this permission notice shall be included in
- * all copies or substantial portions of the Software.

*

- * THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
- * IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
- * FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE

* AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
* LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
* OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN
* THE SOFTWARE.

*

*=====

* This code is derived from OpenBSD's libc/regex, original license follows:

*

* Copyright (c) 1992, 1993, 1994 Henry Spencer.

* Copyright (c) 1992, 1993, 1994

* The Regents of the University of California. All rights reserved.

*

* This code is derived from software contributed to Berkeley by

* Henry Spencer.

*

* Redistribution and use in source and binary forms, with or without

* modification, are permitted provided that the following conditions

* are met:

* 1. Redistributions of source code must retain the above copyright

* notice, this list of conditions and the following disclaimer.

* 2. Redistributions in binary form must reproduce the above copyright

* notice, this list of conditions and the following disclaimer in the

* documentation and/or other materials provided with the distribution.

* 3. Neither the name of the University nor the names of its contributors

* may be used to endorse or promote products derived from this software

* without specific prior written permission.

*

* THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND

* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE

* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE

* ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE

* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL

* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS

* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)

* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT

* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY

* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF

* SUCH DAMAGE.

*

*/

*

Certain Files: Copyright (c) 1998 Todd C. Miller

Permission is hereby granted, free of charge, to any person obtaining a copy of

this software and associated documentation files (the "Software"), to deal in

the Software without restriction, including without limitation the rights to

use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of

the Software, and to permit persons to whom the Software is furnished to do so,

subject to the following conditions: The above copyright notice and this

permission notice shall be included in all copies or substantial portions of the

Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,

EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF

MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO

EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR

OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING

FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN

THE SOFTWARE.

* This software was written by Alexander Peslyak in 2001. No copyright is
* claimed, and the software is hereby placed in the public domain.
* In case this attempt to disclaim copyright and place the software in the
* public domain is deemed null and void, then the software is
* Copyright (c) 2001 Alexander Peslyak and it is hereby released to the
* general public under the following terms:
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted.
*
* There's ABSOLUTELY NO WARRANTY, express or implied.
*
* (This is a heavily cut-down "BSD license".)

Certain files are dual licensed under the MIT and
the University of Illinois Open Source License (displayed above and in the LICENSE.TXT file).

Certain files: Copyright 2008-2009 Google Inc.

All rights reserved. Redistribution and use in source and binary forms, with or
without modification, are permitted provided that the following conditions are
met: Redistributions of source code must retain the above copyright notice, this
list of conditions and the following disclaimer. Redistributions in binary form
must reproduce the above copyright notice, this list of conditions and the
following disclaimer in the documentation and/or other materials provided with
the distribution. Neither the name of Google Inc. nor the names of its
contributors may be used to endorse or promote products derived from this
software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY
THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT
SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,
INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR
PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF
LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE
OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF
ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Certain files: Copyright 2001-2004 Unicode, Inc. Disclaimer This source code is provided as is
by Unicode, Inc. No claims are made as to fitness for any particular purpose. No
warranties of any kind are expressed or implied. The recipient agrees to
determine applicability of information provided. If this file has been purchased
on magnetic or optical media from Unicode, Inc., the sole remedy for any claim
will be exchange of defective media within 90 days of receipt. Limitations on
Rights to Redistribute This Code Unicode, Inc. hereby grants the right to freely
use the information supplied in this file in the creation of products supporting
the Unicode Standard, and to make copies of this file in any form for internal
or external distribution as long as this notice remains attached.

Certain files: Copyright (C) 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008,
2009, 2010, 2011 Free Software Foundation, Inc.

<<<<<<<xilinx-separator>>>>>>>

=====

Full text of the relevant licenses is included below.

<http://llvm.org>

* Neither the names of the LLVM Team, University of Illinois at Urbana-Champaign, nor the names of its contributors may be used to

endorse or promote products derived from this Software without specific prior written permission.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE CONTRIBUTORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS WITH THE SOFTWARE.

=====

Copyright (c) 2009-2015 by the contributors listed in CREDITS.TXT

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

=====

Copyrights and Licenses for Third Party Software Distributed with LLVM:

=====

The LLVM software contains code written by third parties. Such software will have its own individual LICENSE.TXT file in the directory in which it appears. This file will describe the copyrights, license, and restrictions which apply to that code.

The disclaimer of warranty in the University of Illinois Open Source License applies to all code in the LLVM Distribution, and nothing in any of the other licenses gives permission to use the names of the LLVM Team or the University of Illinois to endorse or promote products derived from this Software.

>>>> BSD License

\$OpenBSD: COPYRIGHT,v 1.3 2003/06/02 20:18:36 millert Exp \$

Copyright 1992, 1993, 1994 Henry Spencer. All rights reserved.
This software is not subject to any license of the American Telephone and Telegraph Company or of the Regents of the University of California.

Permission is granted to anyone to use this software for any purpose on any computer system, and to alter it and redistribute it, subject to the following restrictions:

1. The author is not responsible for the consequences of use of this software, no matter how awful, even if they arise from flaws in it.
2. The origin of this software must not be misrepresented, either by explicit claim or by omission. Since few users ever read sources, credits must appear in the documentation.
3. Altered versions must be plainly marked as such, and must not be misrepresented as being the original software. Since few users ever read sources, credits must appear in the documentation.
4. This notice may not be removed or altered.

=====

```
/*_
* Copyright (c) 1994
*   The Regents of the University of California. All rights reserved.
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright
*   notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
*   notice, this list of conditions and the following disclaimer in the
*   documentation and/or other materials provided with the distribution.
* 3. Neither the name of the University nor the names of its contributors
*   may be used to endorse or promote products derived from this software
*   without specific prior written permission.
*
* THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND
* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
*
*   @(#)COPYRIGHT      8.1 (Berkeley) 3/16/94
*/
```

>>> md5:

- * This code is derived from (original license follows):
- *
- * This is an OpenSSL-compatible implementation of the RSA Data Security, Inc.
- * MD5 Message-Digest Algorithm (RFC 1321).
- *
- * Homepage:
- * <http://openwall.info/wiki/people/solar/software/public-domain-source-code/md5>
- *
- * Author:
- * Alexander Peslyak, better known as Solar Designer <solar at openwall.com>
- *

[Public]

```
* This software was written by Alexander Peslyak in 2001. No copyright is
* claimed, and the software is hereby placed in the public domain.
* In case this attempt to disclaim copyright and place the software in the
* public domain is deemed null and void, then the software is
* Copyright (c) 2001 Alexander Peslyak and it is hereby released to the
* general public under the following terms:
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted.
*
* There's ABSOLUTELY NO WARRANTY, express or implied.
*
* (This is a heavily cut-down "BSD license".)
*
* This differs from Colin Plumb's older public domain implementation in that
* no exactly 32-bit integer data type is required (any 32-bit or wider
* unsigned integer data type will do), there's no compile-time endianness
* configuration, and the function prototypes match OpenSSL's. No code from
* Colin Plumb's implementation has been reused; this comment merely compares
* the properties of the two independent implementations.
*
* The primary goals of this implementation are portability and ease of use.
* It is meant to be fast, but not as fast as possible. Some known
* optimizations are not included to reduce source code size and avoid
* compile-time configuration.
*/
```

>>>> Apache

```
/
//      The LLVM Compiler Infrastructure
//
// This file is distributed under the University of Illinois Open Source
// License. See LICENSE.TXT for details.
//
// And has the following additional copyright:
//
// (C) Copyright 2016-2020 Xilinx, Inc.
// All Rights Reserved.
//
// Licensed to the Apache Software Foundation (ASF) under one
// or more contributor license agreements. See the NOTICE file
// distributed with this work for additional information
// regarding copyright ownership. The ASF licenses this file
// to you under the Apache License, Version 2.0 (the
// "License"); you may not use this file except in compliance
// with the License. You may obtain a copy of the License at
//
// http://www.apache.org/licenses/LICENSE-2.0
//
// Unless required by applicable law or agreed to in writing,
// software distributed under the License is distributed on an
// "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY
// KIND, either express or implied. See the License for the
// specific language governing permissions and limitations
// under the License.
//=====//
```

Copyright 2004 ActiveState
Copyright 2005-2009 Pierre Bonami and others
Copyright 2009-2016 Vladimir Batov
Copyright 2011 Jlio Hoffmann
Copyright 1990-1999, 2005, 2009, 2014 Microsoft Corp
Copyright 2018-2019 Mike Dev
Copyright (c) 1998 Paul Duffin.
Copyright 2010 Rico Schller
Copyright 1996-1997 Andrey A. Chernov Moscow Russia
Copyright 2008 Federico J. Fernandez
Copyright 1999, 2001 Nicolai M. Josuttis
Copyright 2010-2011 INRIA Saclay
Copyright (c) 2014 Paul Fultz II holder.
Copyright 2016 Chris Glover
Copyright 2008 Rep Invariant Systems Inc. (info@repinvariant.com)
Copyright 2002-2003 Jason Edmeades Raphael Junqueira
Copyright 2004-2007 Peder Holt
Copyright 2019. Distributed under the Boost Software License Version
Copyright 2010, 2014 Athanasios Iliopoulos
Copyright 1992 Free Software Foundation Inc. Written By David Vinayak Henkel-Wallace June
Copyright 2003 Ross Smith
Copyright (c) 2009-2012 Mateusz Loskot (mateusz@loskot.net) London UK
Copyright 2007 Alexandre Courpron
Copyright 2001, 2010-2011 LAAS CNRS -- Wed Oct
Copyright 2002 Rensselaer Polytechnic Institute
Copyright 2007 Timmo Stange
Copyright 1993 Mentor Graphics -- - - - -
Copyright 2001 Hans-Peter Nilsson
Copyright (c) 2018 Louis Dionne Antony Polukhin
Copyright 1998-2010 Gilles Vollant
Copyright 2003 Sam Nabialek
Copyright 2011 Takaya Saito
Copyright 2001-2003 Toon Knapen
Copyright 2003-2004 immodule for Qt Project
Copyright 2010 Eric Jourdanneau Joel Falcou
Copyright 1995-2017 Jean-loup Gailly detect
Copyright (c) 2017 Paul Fultz II capture.cpp Distributed under the Boost Software License Version
Copyright (c) 2017 Paul Fultz II apply.cpp Distributed under the Boost Software License Version
Copyright 2007-2019 Andrey Semashev
Copyright 2013 Joaquim Duran
Copyright (c) 2017 Paul Fultz II construct.cpp Distributed under the Boost Software License Version
Copyright 2003, 2009 Pavel Baranov
Copyright 2001-2004 Hewlett-Packard Co Contributed by David Mosberger-Tang <davidm@hpl.hp.com>
Copyright 2013, 2018 Alain Miniussi <alain.miniussi@oca.eu>
Copyright 2005 Daniel Egloff. Distributed
Copyright 2000-2004 Ryan Bloom
Copyright 2012 Agustin K-ballo Berge
Copyright 2010 Thomas Claveirole
Copyright 2005 John Maddock & Thorsten Ottosen
Copyright 2017 Shreyans Doshi
Copyright 2001-2009 Aleksey Gurtovoy and David Abrahams Distributed under the Boost Software License Version
Copyright 1985 MIPS Computer Systems Inc
Copyright (c) 2000 Malte Starostik <malte@kde.org>
Copyright 1995 General Electric Co
Copyright 1998-2019 Joel de Guzman
Copyright 2018 Kohei Takahashi
Copyright 1999-2000 Peter Hunnissett

Copyright 2012 Lee Hodgkinson
Copyright 2006-2009 Steven J. Bethard <steven.bethard@gmail.com>.
Copyright 1992 Eric Backus
Copyright 2011, 2015-2017 Sven Verdoolaege
Copyright 2005-2013 Ion Gaztanaga Distributed
Copyright 1992-1994, 1998-1999 Henry Spencer
Copyright 2016 Mikhail Maximov vigorous.activity at gmail dot com
Copyright 2012-2014 Ecole Normale Supérieure
Copyright 2008-2009 Ben Hanson os
Copyright 1999-2004, 2011, 2013 Jeremiah Willcock
Copyright 2009 Dustin Spicuzza
Copyright 2006-2007, 2011, 2013-2014 Paul Bristow
Copyright 1993-1999 loi Kim Lam
Copyright 2012 Christoph Koke
Copyright 2001-2011 Parallax Software Inc
Copyright 2001-2012 Hartmut Kaiser Distributed
Copyright 2013 Edward Diener
Copyright (c) 2008 Stepan Kasal <skasal@redhat.com>
Copyright 2015 Nuxi https nuxi.nl
Copyright 2002 Radical Eye Software Title cudd.dvi Pages
Copyright 2007 David Gleich
Copyright (c) 2015 Paul Fultz II compressed
Copyright 2003, 2008-2010, 2012, 2014 Howard Hinnant
Copyright 1999-2003 Jaakko Jarvi (jaakko.jarvi@cs.utu.fi)
Copyright 2008, 2011 Christophe Henry henry UNDERSCORE christophe AT hotmail DOT com
Copyright 2016, 2018 Oracle and or its affiliates. Contributed and or modified by Vissarion Fysikopoulos on behalf of Oracle
Copyright 2018 Paul Fultz II Distributed
Copyright 2009 Tor Brede Vekterli
Copyright 2016 Thomas Kent
Copyright 2010 Matthias Walter (xammy@xammy.homelinux.net)
copyright with dates from 1980 to 1993
Copyright 2010 Gevorg Voskanyan
Copyright 1997-1998 Certicom Corp
Copyright 2001-2003 Dan Nuffer
Copyright 2016-2017 Alexander Zaitsev Distributed
copyright 2002-2019 John Maddock and Christopher Kormanyos
Copyright 2008-2019 Bruno Lalande Paris France
Copyright 2015 Robin Eckert
Copyright 2003 Roland Richter
Copyright 2016-2019 Klemens D. Morgenstern Hans Dembinski
Copyright (c) 2014 Paul Fultz II pp.
Copyright 2007 Anthony Williams. Distributed
Copyright 2018 Alexander Grund
Copyright 1995-2017 Jean-loup Gailly
Copyright (C) 2009 Andreas Haberstroh
Copyright 2005-2006 Francois Margot and others
Copyright (C) 2009-2015 Free Software Foundation Inc. Written by Cary Coutant <ccoutant@google.com>.
Copyright 2003 Jaap Suter
Copyright 2005, 2010 Daniel Wallin David Abrahams
Copyright 2011 Matthias Born
Copyright 2015, 2017 Paul Fultz II reverse
Copyright 2015-2016 Klemens D. Morgenstern Distributed
Copyright 1994-2017 Beman Dawes
Copyright 2010 W.P. McNeill
Copyright Dezide Aps 2003-2004
Copyright 2003 Yan Xu Jeff Linderorth Martin Savelsberg and others
Copyright (C) 1993 2000 2001 2002 2003 2007 Free Software Foundation Inc. Contributed by Brendan Kehoe (brendan@cygnus.com)
based on

Copyright 1919 Hans Dembinski Henry Schreiner
Copyright 1915 Charly Chevalier
Copyright 2008, 2014, 2016 Jorge Lodos
Copyright (C) 1995-2017 Jean-Loup Gailly Mark Adler. OS
Copyright (c) 2017 Paul Fultz II if.cpp Distributed under the Boost Software License Version
Copyright 1990, 1994 The University of Utah and the Computer Systems Laboratory
Copyright 2010 Zencoder Inc.
Copyright 2009-2016 Mario Mulansky
Copyright (c) 2017 Paul Fultz II sequence.cpp Distributed under the Boost Software License Version
Copyright 2015 Paul Fultz II decorate
Copyright 1993-1994, 1996 University of New Mexico
Copyright (C) 2002 2003 2004. Lou Hafer Stephen Tse International Business Machines Corporation and others. All Rights Reserved.
Copyright 2015 Gregor de Cillia
Copyright 2002, 2004 Hervé Brunnmann Polytechnic University
Copyright 2016-2017 Joaquin M Lopez Muoz. Distributed under the Boost Software License Version
Copyright 2004 Ralf Mattheis
Copyright Copyright 2001 by ActiveState Corporation et al
Copyright 2005-2007 Tobias Schwinger
Copyright 2004 Brian Ravnsgaard Riis license Boost Software License
Copyright 2010, 2012-2015, 2017-2018 Vicente Botet
Copyright 1998 1999 2000 2001 2002 Red Hat Inc. License GNU GPLv2
Copyright 2015 Robin Eckert Distributed under the Boost Software License Version
Copyright 2013 Alex Korobka
Copyright 2004-2018 Oasys Design Systems Inc
Copyright 1986 International Organization for Standardization
Copyright 2003-2018 Paul T. McGuire
Copyright 2003, 2018-2019 Peter Dimov Distributed
Copyright 2017 Levon Tarakchyan
Copyright (c) 2017 Paul Fultz II returns.cpp Distributed under the Boost Software License Version
Copyright 2010, 2013 John Maddock Distributed
Copyright 2009 David Abrahams Vicente Botet
Copyright 2011 Paul A. Bristow comments
Copyright 2010-2011 Free Software Foundation Inc. Written by Tobias Burnus <burnus@net-b.de>
Copyright 2008-2010 Niels Dekker
Copyright 2002 R.W. Grosse-Kunstleve
Copyright 2009 Jakub Wiecezorek <faw217@gmail.com>
Copyright 2002-2011 JIDE Software
Copyright (C) 1997-2000 Lucent Technologies Modifications for Coin -
Copyright 2015 Mario Lang
Copyright 1998-2003 Daniel Veillard
Copyright 2012, 2014 Pieter Bastiaan Ober
Copyright 2010 Head Geek
Copyright 2019 Olzhas Zhumabek <anonymous.from.applecity@gmail.com>
copyright 2005 2006 2007 Douglas Gregor Matthias Troyer Trustees of Indiana University
Copyright (c) JongSoo Park 2005
Copyright 1990-1992, 1996-2013 Synopsys Inc
Copyright 2005 David Abrahams and Aleksey Gurtovoy. Distributed
Copyright 2010-2011 Michael Caisse
Copyright (c) 1998-2008 The OpenSSL Project. All rights reserved.
Copyright 2007-2008, 2010 Vijay Kiran Kamuju
Copyright 2008, 2011 Christophe Henry
Copyright 2000-2013 Joerg Walter Mathias Koch. David Bellot
Copyright 2013-2014 The Khronos Group Inc
Copyright 2005-2006 Carnegie Mellon University
Copyright 2003 Bradley M. Bell
Copyright 2008 Andrew Fenn
Copyright (c) 2017 Paul Fultz II pack.cpp Distributed under the Boost Software License Version
Copyright 2009-2010 Joseph Pecoraro

Silicon Valley Branch 2012
Copyright 1996 treaty adopted on
Copyright Beman Dawes and Robert Stewart 2011
Copyright 2011-2013 Mario Mulansky Distributed
Copyright 2001 Alexander Peslyak and it is hereby released to the general public
Copyright 2005-2006 Daniel Egloff Olivier Gygi. Distributed
Copyright Microsoft Corporation
Copyright 2006 Alexander Nasonov & Paul A. Bristow
Copyright 1999-2020 Verific Design Automation Inc
Copyright 2007 Nikolay Mladenov
Copyright 2003 Lowell H. Miles and Jack A. Venbrux
Copyright 2008 Nokia Inc
Copyright 2012-2016, 2018 Louis Dionne
Copyright 2009, 2017 ARM Ltd
Copyright 1991-1995 Stichting Mathematisch Centrum Amsterdam The Netherlands
Copyright 2008 Gautam Sewani
Copyright 2013 Piotr Wygocki
Copyright 2005-2006 Danny Havenith
Copyright (C) 2009-2012 Erwin Waterlander
Copyright 2010 Just Software Solutions Ltd
Copyright 2008 David Jenkins. Distributed
Copyright 2018 Oxford Nanopore Technologies
Copyright 2002-2003 Eric Friedman
Copyright 1999 Kungliga Tekniska Hgskolan
Copyright 2011 ACM
Copyright 2008 Google
Copyright (c) 2009-2018 Ion Gazta u00F1aga
Copyright 2001-2002 Joel de Guzman MT code
Copyright 2008 Lubomir Bourdev Hailin Jin
Copyright 2014 Paul Fultz II mutable
Copyright 2007 Christoper Kohlhoff
Copyright 2005 Matthias Troyer and Dave Abrahams
Copyright Digia Plc.
Copyright 2004 Stefan Slapeta
Copyright 2001 Eric Ford
Copyright 2013-2015 Kyle Lutz <kyle.r.lutz@gmail.com>
Copyright 2012 Michele Caini
Copyright 2017-2018 James E. King III Distributed
Copyright 2004-2006 Olaf Krzikalla
Copyright 2007-2008 CodeRage LLC Author Jonathan Turkanis Contact turkanis at coderage dot com
Copyright 2016 Jason Rhinelander <jason@imaginary.ca>
Copyright 2007 John Travers <jtravs@gmail.com>
Copyright 2014 Paul Fultz II fix
Copyright (C) 2013 by Marijn Haverbeke and others <marijnh@gmail.com>
Copyright (C) 1984-1998 Stephen L. Moshier
Copyright 2015-2017 Paul Fultz II unpack
Copyright (C) 1998 by Bob Dellaca.
Copyright 2001-2015 Hartmut Kaiser
copyright 2000 Steve Cleary Beman Dawes Howard Hinnant & John Maddock
Copyright 2006 Stephan Diederich
Copyright 2001 Christopher G. Demetriou
Copyright (C) 2012-2016 by various contributors
Copyright 2003-2019 Christopher M. Kohlhoff
Copyright (c) 2014 Paul Fultz II remove
Copyright 2005 troy
Copyright 2011, 2018 Emil Dotchevski
Copyright (c) 1999-2000 Andreas Kupries (a.kupries@westend.com)
Copyright (c) 2016 MATHIEU CORNIC

Copyright 2005 romain guy (romain.guy@jext.org) and craig wickesser (craig@codecraig.com) and henry story
Copyright (c) 2002 Lars Gullik Bijnnes <larsbj@lyx.org>
Copyright 2002-2010 Andreas Huber Doenni Distributed
Copyright 1991-1992 ARRAY TECHNOLOGY Corp
Copyright 2011 Paul A. Bristow - filename changes for boost-trunk
Copyright 2003-2004 Neil Groves & Thorsten Ottosen & Pavol Droba
Copyright (c) 2017 Paul Fultz II test.hpp Distributed under the Boost Software License Version
Copyright 1990-1992 Synopsys Inc. -- --
Copyright 2009 Matthias Vallentin
Copyright (c) 2012 Paul Fultz II delgate.
Copyright 2007 Baruch Zilber
Copyright 2014-2015, 2024 John Fletcher
Copyright 2016-2019 Nikita Kniazev
Copyright 2014-2019 Antony Polukhin antoshkka at gmail dot com
Copyright 2003 David Abrahams and Nikolay Mladenov
Copyright 2015, 2017 Paul Fultz II flip
Copyright 2013 Thomas Sailer
Copyright 1992-1993, 1995-1996 Jens-Uwe Mager Helios Software GmbH Not derived from
Copyright 1998, 2002 Todd C. Miller <Todd.Miller@courtesan.com>
Copyright 2006-2018 Emil Dotchevski and Reverge Studios Inc
Copyright 2015 Paul Fultz II capture
Copyright (C) 2008-2009 Red Hat Inc. Peter Zijlstra
Copyright 2004 Trustees of Indiana University Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek Douglas Gregor
(C) COPYRIGHT 2018 Reimar Dffinger Based on zstd
Copyright 2008 Milan Svoboda
Copyright (c) 1996 Lucent Technologies and Jim Ingham
Copyright 1991 AT&T
Copyright 1997-2001 University of Notre Dame. Authors Lie-Quan Lee
Copyright 2001, 2010 LAAS CNRS Wed Oct
Copyright 2015 Ion Gaztaaga Distributed under the http www.boost.org LICENSE
Copyright 1999 Radical Eye Software Title dddmp-
Copyright 2005 Pearson Education Inc. Reprinted with
Copyright 1999, 2003 Dave Abrahams
Copyright 2013-2019 Niall Douglas
Copyright 2001-2007 Hartmut Kaiser Revised
Copyright 2013 Paul A. Bristow. Added some Quickbook snippet markers
Copyright 2002-2017 Daniel Frey
Copyright 1993-2001 Lucent Technologies
Copyright 1996-2014 Free Software Foundation Inc. Originally written by Fran cois Pinard <pinard@iro.umontreal.ca>
Copyright 2003-2005 Thorsten Ottosen & Larry Evans
Copyright 2011-2012 Wind River Systems Inc
Copyright 1999 Beman Dawes and Daryle Walker
Copyright 2012-2013 Pierre Talbot
Copyright 2007 Technical University of Catalonia
Copyright 2002 John Maddock and Dave Abrahams
Copyright (C) 2005 2009 International Business Machines and others. C All Rights Reserved. C This code is published under the Eclipse Public License.
Copyright 2012-2013 Fernando Vilas
Copyright (c) 2007 Free Software Foundation Inc. .PP Everyone is permitted to copy and distribute verbatim copies of this
Copyright 2010 Nuovation System Designs LLC Grant Erickson <gerickson@nuovations.com>
Copyright 2006-2007, 2009-2010, 2012 John Maddock and Paul A. Bristow
Copyright (C) 1999 Jonathan Revusky
Copyright 2001-2004 Peter Dimov and Multi Media Ltd
Copyright 2004-2006 Ted Ralphs and Lehigh University
Copyright 2004-2006, 2008-2012 Eric Niebler. Distributed
Copyright (c) 2017 Paul Fultz II repeat.cpp Distributed under the Boost Software License Version
Copyright 2013, 2017 Ruslan Baratov
Copyright 2007-2012 Joachim Faulhaber

Copyright 2002 William E. Kempf Distributed
Copyright 2012 Beman Daves
Copyright 2009, 2011 The Dojo Foundation Released
Copyright 2015-2019 Klemens D. Morgenstern
Copyright 2003-2011, 2014 LASMEA UMR
Copyright 2014 Paul Fultz II lazy
Copyright 2014 Marco Guazzone (marco.guazzone@gmail.com)
Copyright 1997-2006 Easy Software Products All Rights Reserved.
Copyright (c) 2008 Sven Verdoolaege <skimo@kotnet.org>
Copyright 2012 Paul Fultz II partial
Copyright 2009-2010 Datasim Education BV
Copyright 2004 Jonathan Graehl
Copyright 2001-2003 Kevin B. Kenny
Copyright 2018 Yaghyavardhan Singh Khangarot Hyderabad India
Copyright 2016 Paul Fultz II limit
Copyright 2006 Thorsten Ottosen. Distributed
Copyright 1997-2014 The NetBSD Foundation Inc
Copyright 2006 Tomas Puerle
Copyright 2007-2008 Vladimir Prus David Abrahams Michael Stevens Hartmut Kaiser Ion Gaztanaga
Copyright 2010 Josh Wilson
Copyright 2014 Free Software Foundation Inc. Copying and distribution of
Copyright 2014 Paul Fultz II proj
Copyright 2004-2011 Michael Stevens David Bellot
Copyright 2002, 2004 Politecnico di Torino
Copyright 2014-2016 Paul Fultz II result
Copyright 1994-1996 Synplicity Inc
Copyright 2013 Paul A. Bristow Doxygen comments changed
Copyright 2019 Hans Dembinski Distributed
Copyright 2008, 2017-2019 James E. King III
Copyright (c) 1993-94 Lockheed Missile & Space Company
(C) Copyright 2018 Mario Suvajac
Copyright 2000 Steve Cleary Beman Dawes Howard Hinnant and John Maddock
Copyright 2010 Matthias Walter
Copyright 2003, 2005-2015, 2017 Google Inc
Copyright 2001-2007 Joel de Guzman Dan Marsden Tobias Schwinger
copyright 2006-2019 Nikhar Agrawal Anton Bikineev Paul A. Bristow Marco Guazzone Christopher Kormanyos Hubert Holin Bruno
Lalande John Maddock Jeremy Murphy Matthew Pulver Johan Rde Gautam Sewani Benjamin Sobotta Nicholas Thompson Thijs van den
Berg Daryle Walker and Xiaogang Zhang
Copyright 2000-2005 INRIA France Telecom
Copyright 2008 2009 John Maddock Paul A. Bristow and M.A.
Copyright © 2008 Beman Dawes Rene Rivera
Copyright 2002-2003 Guillaume Melquiond Sylvain Pion
Copyright 2009-2016 Karsten Ahnert
Copyright 2011-2012 Vicente J.Botet Escriba. Distributed
Copyright 2007-2017 the Sphinx team
Copyright 2003 Dan Watkins
Copyright 2008 CodeRage LLC
Copyright 1998-2000 Scriptics Corp. Contributions from Don Porter NIST
Copyright 2001-2002 David Gravereaux
Copyright 2018-2019 Peter Dimov Hans Dembinski
Copyright 2014, 2016 Lee Clagett
Copyright (C) 2016 by Marijn Haverbeke < marijnh@gmail.com> and others
Copyright 2009 Yuriy Krasnoschek
Copyright 2002-2003 Herv Brnnimann
Copyright 2004-2015 Free Software Foundation Inc. Written by Gary V. Vaughan
Copyright 2012 Karsten Ahnert Distributed
Copyright 2006-2011 Andy Tompkins
Copyright 2011 Jan Frederick Eick

Copyright 2010, 2013, 2017-2019 Mateusz Loskot
Copyright (c) 2017 The LLVM Developers
Copyright 2009-2010, 2013 the mingw-
(C) Copyright Boris Rasin and Antony Polukhin 2014-2015
Copyright 2008 Lubomir Bourdev and Hailin Jin
Copyright 1988, 1992-1993, 1995-1997 Jens-Uwe Mager Helios Software GmbH Hannover Germany
Copyright (c) 2002 by Peter Simons <simons@cryp.to>
Copyright 1997-2017 Dimitri van Heesch
Copyright 2006-2012 Anthony Williams
Copyright 2010-2011 David Bellot
Copyright 1990-1991 RSA Data Security Inc
Copyright 2000 Jeremy Siek Lie-Quan Lee and Andrew Lumsdaine
Copyright 2011-2013 Andrew Hundt
Copyright 1998, 2007 Brian Raiter <breadbox@muppetlabs.com>
Copyright 2016 Brian Kuhl
Copyright 2008-2010 Joseph Gauterin Niels Dekker
Copyright 2010, 2012-2014 Jacek Caban for CodeWeavers
Copyright 2012 K R Walker
Copyright 2011-2019 Antony Polukhin
Copyright 1993-1994 Lockheed Missile & Space Co AI Center
Copyright (c) 2018 Dmitry Arkhipov
Copyright 2014 Erik Erlandson
Copyright 2004-2006 Daniel Wallin
Copyright 2009 David Faure <dfaure@kdab.net> Contact
Copyright 2006 Hubert Holin and John Maddock. Distributed
Copyright 2013-2014 Agustin Berge
Copyright (C) 2008-2009 Red Hat Inc. Ingo Molnar
Copyright 1996-2007 Julian Seward <jseward@bzip.org>
Copyright 1995-1997, 2008 IEEE
Copyright 2002, 2004 Herve Bronnimann
Copyright (c) 2017 Paul Fultz II infix.cpp Distributed under the Boost Software License Version
Copyright 1999 Kevlin Henney and Dave Abrahams
Copyright 2011-2012 Nathan Ridge
Copyright 1986-2019 Xilinx Inc
Copyright 2005 to
LoadLibraryExA LockFile LockFileEx MapViewOfFile MapViewOfFileEx MoveFileA
MoveFileExA MultiByteToWideChar2 OpenEventA5 OpenFileMappingA9 OpenMutexA
OpenProcess=OpenSemaphoreA BOutputDebugStringAD PeekConsoleInputAF PeekNamedPipeHP PrepareTapeNPulseEventOPurgeCom
mUQueryPerformanceCounterVQueryPerformanceFrequencyJ ReadConsoleInputAa ReadConsoleOutputAh ReadFileIReadProcessMe
moryuReleaseMutexvReleaseSemaphorew RemoveDirectoryA~ResetEventResumeThr
Copyright 2010 Igor R
Copyright 2014 MetaScale SAS
Copyright 2008-2012 Daniel Walker Eric Niebler Michel Morin
Copyright 2013 Christian Henning Distributed
Copyright 1997, 2004 Regents of the University of Minnesota
Copyright 2000-2002 Ove Kaaven
Copyright 1999 CERN - European Organization for Nuclear Research
Copyright 2002-2004, 2007-2010, 2012, 2014-2015, 2017-2019 Robert Ramey
Copyright 2010 Olaf Peter
Copyright 2004 Ami Tavory and Vladimir Dreizin IBM-HRL
Copyright (C) 1998 Free Software Foundation Inc. Contributed by Cygnus Solutions.
Copyright (C) 2000 2002 Free Software Foundation Inc. Contributed by Mark Mitchell <mark@codesourcery.com>.
Copyright 2010-2012 Thomas Mang
Copyright 2006 Stephen Nutt
Copyright (C) 1999 Artur Biesiadowski
Copyright 2005 Vladimur Prus
Copyright 2005 David Abrahams Matthias Troyer Michael Gauckler
Copyright (c) 2017 Paul Fultz II protect.cpp Distributed under the Boost Software License Version

Copyright 1998-2000 Thai Open Source Software Center Ltd and Clark Cooper
Copyright 2003, 2006 Gottfried Ganauge
Copyright 2001 Doug Gregor
Copyright 1992 Regents of the University of California. --
Copyright 1982-1991 Mentor Graphics Corp
Copyright 2013 Pascal Germroth
Copyright 2014 Benoit Dequidt <benoit.dequidt@gmail.com>
Copyright 1997-2002 FreeBSD Project
Copyright 1995-2001 Corp for National Research Initiatives
Copyright 2003 Giovanni Bajo Copyrigh
Copyright 2013-2019 Oracle and or its affiliates. Contributed and or modified by Adam Wulkiewicz on behalf of Oracle
Copyright 1998-2000 Thai Open Source Software Center Ltd
Copyright 1994-2009 Free Software Foundation
Copyright 2002 Free Software Foundation Inc. GDB is free software ...
Copyright 2002-2004 Martin Wille
Copyright 2001, 2003 Vesa Karvonen
Copyright 2008 Gunter Winkler <guwi17@gmx.de> Thanks to Tiago Requeijo for providing
Copyright (c) 2008-2017 Emil Dotchevski and Reverse Studios Inc. NL NL Distributed under the Boost Software License Version
Copyright 2015 Ion Gaztaaga
Copyright 2010-2011 Free Software Foundation Inc. Written by Francois-Xavier Coudert <fxcoudert@gcc.gnu.org>
Copyright 2007 Marcel Partap
Copyright (c) 1997 Christian Michelsen Research AS Advanced Computing
Copyright 2013 Eddy Petrior
Copyright 2009 North Inc
Copyright 2016-2017 Alexander Zaitsev <zamazan4ik@gmail.by>
Copyright 2010 Ilya Murav'jov
Copyright 2012 David Bailey
Copyright 2006 Kirill Simonov
Copyright 2010 Ignacy Gawedzki
Copyright (c) 2015 Paul Fultz II and.
Copyright (c) 2015 Paul Fultz II make.
Copyright 2001 Ronald Garcia Indiana University (garcia@osl.iu.edu) Andrew Lumsdaine Indiana University (lums@osl.iu.edu)
Copyright 1998 Scritpics Corp
Copyright (c) 2001 ActiveState Tool Corp.
Copyright 2016 Zach Laine
Copyright 2018 Mateusz Loskot <mateusz@loskot.net&gt
Copyright 2013 Andreas Pokorny
Copyright 1992-2006 by Concept Engineering GmbH. All rights reserved.
Copyright 1997-2000 University of Notre Dame. Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek
Copyright 2003 Cosmin Truta
Copyright 1999-2014 Free Software Foundation Inc. Written by Tom Trome <trome@cygnus.com>
Copyright 2010-2011 Jeroen Habraken
Copyright 2016-2017 Mikhail Maximov
Copyright (c) 2009-2016 Polly Team All rights reserved.
Copyright 2004-2009 Robert Ramey Martin Ecker and Takatoshi Kondo
copyright 2009-2015 Karsten Ahnert and Mario Mulansky
Copyright 2002-2005 Raphael Junqueira
Copyright 2013 Petr Machata Red Hat Inc
Copyright 2012 Daryle Walker Distributed under the Boost Software License Version
Copyright (c) 2015 Paul Fultz II constexpr
Copyright 1982-1983, 1986, 1988-1989, 2004-2006 Regents of the University of California
Copyright 2000-2001 University of Notre Dame. Authors Jeremy G. Siek Andrew Lumsdaine Lie-Quan Lee
Copyright 2014-2015 Google Inc. contributed by Alexey Sokolov <sokolov@google.com>
Copyright 1999-2016 Free Software Foundation Inc. Contributed by Mumit Khan <khan@xraylith.wisc.edu>
Copyright (C) 1998 Cygnus Solutions.
Copyright 2009 Eric Moyer -
Copyright (C) 2007 Free Software Foundation Inc. License GPLv3
Copyright 2005-2016 Free Software Foundation Inc. Contributed by Jakub Jelinek <jakub@redhat.com>

Copyright (c) 2016 Jeffrey E. Trull Distributed under the Boost Software License Version
Copyright 2002-2004 David Abrahams and Aleksey Gurtovoy
Copyright 2016 Klemens D. Morgenstern klemens.morgenstern at gmx dot net
Copyright 2011-2015 Akira Takahashi
Copyright 2009 Andrew Nguyen
Copyright 2009 Jean-Francois Ostiguy
Copyright 2012-2013 Rajeev Singh
Copyright Beman Dawes 2001 2011
Copyright 1998-2002 The OpenLDAP Foundation
Copyright 2013 Andrey
Copyright 2017 Tom Westerhout font fixes to support Sphinx
Copyright 2001 Science & Technology Corp
Copyright 2009 Michael Hansen
Copyright 2009 Nasos Iliopoulos Gunter Winkler
Copyright 2016-2017 Paul Fultz II in.cpp Distributed
Copyright 1998-2007 Regents of the University of Minnesota HMETIS
Copyright 2007-2019 Barend Gehrels Amsterdam the Netherlands
Copyright 2013 John Maddock Antony Polukhin
Copyright (c) 2014 Paul Fultz II forward.
Copyright 2016 Krzesimir Nowak <qdlacz@gmail.com>
Copyright 2018 Paul Fultz II REM Distributed under the Boost Software License Version
Copyright 2000-2011 Joerg Walter Mathias Koch Gunter Winkler David Bellot
Copyright (c) 2017 Paul Fultz II final
Copyright 2017 think-cell GmbH
Copyright 2019 Sam Day Distributed
Copyright (C) 2001 Andreas Scherer Jeremy Siek Lie-Quan Lee and Andrew Lumsdaine
Copyright 2011 Roji Philip
Copyright 2013-2014 Damien Buhl
Copyright 2008 Michael Marcin
Copyright 2004 Robert Ramey Indiana University (garcia@osl.iu.edu) Andrew Lumsdaine Indiana University (lums@osl.iu.edu)
Copyright 2001-2010 Python Software Foundation
Copyright 2006-2007 Robert Hetland <hetland@tamu.edu>
Copyright 2015-2018 Barrett Adair
Copyright 2009-2012 Mateusz Loskot London UK. London UK
Copyright (c) 1996 L. Peter Deutsch and Jean-Loup Gailly
Copyright 2013-2016 Mega Ltd Auckland New Zealand
Copyright 2014 Kai Tietz
Copyright 2000-2001 Tix Project Group
Copyright 1996-2015 Free Software Foundation Inc. Written by Gordon Matzigkeit
Copyright 2014 Chandler Carruth
Copyright 2014 Jessica Hamilton
Copyright 2015 Paul Fultz II fold
Copyright 2006 VeriSign Inc. - For authorized
Copyright 2017 Alain Miniussi & Vincent Chabannes
Copyright 2010 Eric Jourdanneau Joel Falcou Distributed
Copyright 2012 Leo Goodstadt
Copyright 2018-2019 Mike Dev Distributed
Copyright 2011, 2013-2014 Jamboree
Copyright (c) 2009-2017 Mateusz Loskot <mateusz@loskot.net> London UK.
Copyright 2018 Andrzej Krzemieski
Copyright 2001 Daniel Eischen <deischen@FreeBSD.org>
Copyright 1996-1999 Silicon Graphics Computer Systems Inc
Copyright 2004, 2006-2008 International Business Machines Corp and Carnegie Mellon University
Copyright 2015-2016 Jeremy Murphy
Copyright 2012 Benjamin Schindler
Copyright 2012 Zack Weinberg <zackw@panix.com>
Copyright 2002 Alexandre Julliard
Copyright 2017 Austin J. Beer

Copyright 1986 1994 Radical Eye Software Title calculator.dvi CreationDate Mon Nov
-- &copy Copyright 2008
Copyright 2011 AUTHORS.txt
Copyright 2001-2011 LAAS CNRS
Copyright 2001 Jeremy Siek Douglas Gregor Brian Osman
Copyright 2001 Mike Barcroft <mike@FreeBSD.org>
Copyright Michael Drexl 2006 2007
Copyright 2010 Peter Schueller
Copyright 2006 Piotr Wyderski
Copyright (C) 1999 Juha Lindfors
Copyright 2015-2019 Hans Dembinski
Copyright 2007 Staikos Computing Services Inc. <info@staikos.net>
Copyright 2000 Steve Cleary Beman Dawes Howard Hinnant & John Maddock
Copyright 2000-2019 yWorks GmbH Vor dem Kreuzberg
Copyright 2002-2003, 2005 Markus Schoepflin
Copyright 2014 Paul Fultz II pack
Copyright 1998 John E. Bossom
Copyright 2014 Ben Pope
Copyright 2014 Bill Gallafent
Copyright 2005 Daniel Egloff Eric Niebler
Copyright 2014, 2016-2017 Paul Fultz II is
Copyright 2008-2010 Gordon Woodhull Distributed
Copyright (c) 2018 Justinas V. Daugmaudis
Copyright (c) 2010-2014 The Dojo Foundation
Copyright 2012 Sylwester Arabas
Copyright 2005, 2011-2013 Daryle Walker. Distributed
Copyright 2001 Indiana University. Author Jeremy G. Siek
Copyright 2016-2017 Klemens David Morgenstern
Copyright 2013-2015 Kyle Lutz
Copyright 2016 Frank Hein maxence business consulting gmbh
Copyright 2002-2011 Lehigh University Matthew Galati Ted Ralphs
Copyright 2019 Sam Day
Copyright 2016 Johan Mabilie Sylvain Corlay and Wolf Vollprecht
Copyright 1996-1997, 1999-2000, 2002-2006, 2008-2012 Free Software Foundation Inc. Originally by Fran cois Pinard
<pinard@iro.umontreal.ca>
Copyright (c) 1995-1997 Roger E. Critchlow Jr
Copyright 2012 Adam D. Walling
Copyright 2000-2002 John R. Bandela
Copyright 1981-2000 The Regents of the University of California
Copyright 2003 David Abrahams and Jeremy Siek
Copyright 2005 Peter Dimov For Boost Phoenix
Copyright 2008-2019 Lorenzo Caminiti Distributed
Copyright 1993-2000, 2003, 2005-2006 Sun Microsystems Inc
Copyright 2002-2011, 2013-2014, 2016 Christopher Kormanyos
Copyright 2011 Thomas Heller Distributed
Copyright 2005 Felix H
Copyright 2013 Maciej Piechotka Authors Maciej Piechotka
Copyright 2002 Brad King (brad.king@kitware.com)
Copyright 2004-2014 Eric Niebler
Copyright 2011 Christopher Jefferson
Copyright 2005-2011 Horand Gassmann Jun Ma Kipp Martin Dalhousie University Northwestern University and the University of Chicago
Copyright 2016-2018 Oracle and or its affiliates. Contributed and or modified by Vissarion Fysikopoulos on behalf of Oracle
Contributed and or modified by Adam Wulkiewicz on behalf of Oracle
Copyright 2013 Christopher Brown
Copyright 2015 Paul Norman <penorman@mac.com>
Copyright 2013 Roy Stogner <roystgnr@ices.utexas.edu>
Copyright 2011-2015 Vicente J. Botet Escriba. Distributed

Copyright 2015 Kyle Lutz Distributed
Copyright (C) 2006 Nikolas Zimmermann <zimmermann@kde.org>
Copyright 2016-2017 John Z. Maddock
Copyright 2007-2009 Andrew Sutton
Copyright 2000-2003 Gary Powell (powellg@amazon.com)
Copyright 2001-2002 Caldera International Inc
Copyright 2017 Alain Miniussi & Steffen Hirschmann
Copyright 1995, 2001-2002, 2006 Apple Computer Inc
Copyright 2016 Norbert Wenzel
Copyright 2018 Yi Ji
Copyright 1993-1998 Lucent Technologies Inc
Copyright 2009-2011 Frederic Bron
Copyright (c) 2017 Paul Fultz II match.cpp Distributed under the Boost Software License Version
Copyright 2006-2007 Matias Capeletto
Copyright (c) 2018 Emil Dotchevski. Distributed under the
Copyright Flexera Software LLC. All Rights Reserved.
Copyright 2018 Yaghyavardhan Singh Khangarot Hyderabad India. Contributed and or modified by Yaghyavardhan Singh Khangarot as
part of Google Summer of Code
Copyright 2009 Arno Schoedl & Neil Groves
Copyright (c) 2014 Grav
Copyright Modified Work Barrett Adair 2013-2016
Copyright 2003-2004 Rok Mandeljc
Copyright 2018-2019 Peter Dimov and is distributed
Copyright 2015-2016 Jeremy William Murphy
Copyright 2003 Christof Meerwald
Copyright 2014 Franz Detro
Copyright 1998-2010 Gilles Vollant Even Rouault Mathias Svensson
Copyright 2015 Paul Fultz II decay
COPYRIGHT (17 U.S.C. SECTION
Copyright 2012 Phil Endecott Distributed
Copyright 2017 Paul Fultz II requirements.txt Distributed
Copyright 2007-2008 David Jenkins
Copyright 2016-2017 Oracle and or its affiliates. Contributed and or modified by Vissarion Fisikopoulos on behalf of Oracle
Copyright 1984-2009 The MathWorks Inc. The source code contained in
Copyright 2007-2012 Christian Henning Andreas Pokorny Lubomir Bourdev
Copyright 2009 Sascha Ochseneck
Copyright 2009-2010 Paul A. Bristow & John Maddock
Copyright 2001-2002 Donal K. Fellows
Copyright 2018 Oracle and or its affiliates Contributed and or modified by Vissarion Fysikopoulos on behalf of Oracle
Copyright 2014-2015 Ahmed Charles
Copyright 2011-2019 Renato Tegon Forti Antony Polukhin
Copyright 1989-1990, 2012, 2014 Advanced Micro Devices Inc
Copyright 2013 Christian Shelton
Copyright 2001, 2003-2005 Hubert Holin
Copyright 2005 Jim Douglas
Copyright 2004-2005 Arkadiy Vertleyb Distributed
Copyright 2001-2003 Samuel Kremp
Copyright 2011, 2013 Marshall Clow Distributed
Copyright 2009 Paul A. Britow
Copyright 2003-2013 Jan Gaspar
Copyright 2004-2006 Joao Abecasis
Copyright 2007-2008, 2012-2013 Christian Henning
Copyright 2011 Piotr Caban for CodeWeavers
Copyright 2011 Francois Margot and Carnegie Mellon University
Copyright 2013 Kenneth L. Ho
Copyright 2014 Paul Fultz II arg
Copyright (c) 2017 Paul Fultz II decay.cpp Distributed under the Boost Software License Version
Copyright 1994-1996 Synplicity Inc. -- --

(C) Copyright 2018 Mario Suvajac Distributed under the Boost Software License Version
Copyright 2014-2015 INRIA Rocquencourt
Copyright 1998 Bernd Johannes Wuebben
Copyright 2012 Michele Caini. Distributed
Copyright 2010 Alfredo Correa
Copyright 2002-2003 Jason Edmeades
Copyright 1994 Borland Intl
Copyright 2016-2017 Paul Fultz II pointfree.cpp Distributed
Copyright 2012 Digia Plc and or its subsidiary
Copyright 2001-2002 Earnie Boyd <earnie@users.sf.net>
Copyright 2003-2004 Douglas Gregor Distributed under the Boost Software License Version
Copyright 1993 C.W. Sandmann
Copyright 2006-2009 Dmitry Bufistov and Andrey Parfenov
Copyright 2010 Daniel Trebbien
Copyright 2014-2015, 2017 Paul Fultz II static
Copyright 1998-2019 John Maddock
Copyright 2002, 2004-2010 Trustees of Indiana University
Copyright 2015 Deniz Bahadir
Copyright 1999, 2005-2008 Adobe Systems Inc
Copyright 2002 Jan Langer
Copyright 2012 Research In Motion <blackberry-qt@qnx.com> Contact
Copyright 2005 Eric Niebler Michael Gauckler. Distributed
Copyright 2014 Riccardo Marcangelo
Copyright 2002 Jeff Westfahl
Copyright (c) 2017 Paul Fultz II virtual
Copyright 2007, 2010 Paul A
Copyright 2011 Colin Rundel
Copyright 2015 THL
Copyright 2007-2009 Ben Hanson
Copyright 2010-2019 Edward Diener
Copyright 2011 Dylan Smith
Copyright 1996-2001 David Turner Robert Wilhelm and Werner Lemberg
Copyright 2014 Tomoki Imai
Copyright 2005, 2007-2010 Niklas Sorensen
Copyright 2015 Paul Fultz II combine
Copyright 2006 John Maddock Paul A. Bristow and Xiaogang Zhang.
Copyright 2018 Nick Thompson. Distributed
Copyright 2016-2017 Johan Mabilie Sylvain Corlay Wolf Vollprecht and Martin Renou
Copyright 2005 Carl Barron. Distributed
Copyright 2012 Flavio De Lorenzi (fdlorenzi@gmail.com)
Copyright 1995 Alex Tatmanjants <alex@elvisti.kiev.ua> at Electronni Visti IA Kiev Ukraine
Copyright 1997 American Mathematical Society
Copyright 2006, 2008-2009 Maarten Lankhorst
Copyright 1999 Beman Dawes Dave Abrahams
Copyright 2012 Paul Fultz II identity
Copyright 1999, 2005 Pthreads-win32 contributors
Copyright 2005 Ben Hutchings
Copyright (c) 2017 Paul Fultz II partial.cpp Distributed under the Boost Software License Version
Copyright Project contributors
Copyright 2002-2003 Toon Knapen Kresimir Fresl Joerg Walter
Copyright 2004 Scott James Remnant <scott@netsplit.com>.
Copyright 2015 Lingxi Li
Copyright 2005 Peder Holt Distributed
Copyright 2004-2005, 2009, 2012 Eric Niebler Distributed
Copyright 2005 Daniel Egloff Eric Niebler. Distributed
Copyright 1999-2001 David Abrahams Jeremy Siek Daryle Walker
Copyright 2011 Hannes Hofmann
(C) COPYRIGHT 2018 Reimar Dffinger

Copyright 1997 by URW URW Software
Copyright (c) 2002-2011 Bjarni Kristjansson
Copyright 2005-2006, 2014, 2018 Alain Miniussi
Copyright 2007 Alexey Baskakov
Copyright 2011 Brian O'Kennedy
Copyright 2014 Roshan <thisisroshansmail@gmail.com>
Copyright 2006 Douglas Gregor scope
Copyright 2000-2004 Martin C. Shepherd
Copyright 2018 Benjamin Worpitz
Copyright 2000 Hans Petter Bieker
Copyright 2010 Felipe Tanus Boris Schaeling
Copyright 1995-2010 Geodan Amsterdam the Netherlands
Copyright 2014 Jim Bell
Copyright 2010-2011 Bryce Lebach
Copyright 2000-2003 Brian McNamara and Yannis Smaragdakis
Copyright 2001-2009 The Trustees of Indiana University
Copyright 2008-2011 Hartmut Kaiser os
Copyright 1992-2004 P.J. Plauger
Copyright 2000-2002 Darin Adler
Copyright 2001-2002 Housemarque Oy
Copyright 1991 the Massachusetts Institute of Technology
Copyright (C) 2007-2010 AutoESL Design Technologies Inc. AutoESL Confidential. All rights reserved.
Copyright 2010 Daniel Wallin Eric Niebler. Distributed
Copyright 2007 Andras Kovacs
Copyright 2005-2016 Free Software Foundation Inc. Contributed by Richard Henderson <rth@redhat.com>
Copyright 1999, 2005, 2013 Hubert Holin. Distributed
Copyright 2019 Damian Jarek(damian.jarek93@gmail.com)
Copyright 2006 2008 2011 John Maddock Johan Rade and Paul A. Bristow. Distributed under the Boost Software License Version
Copyright 1985 Digital Equipment Corp Maynard MA
Copyright 2002-2003 Eric Friedman Itay Maman
Copyright 1998-2000 Scriptics Corp
Copyright 2010 Jeffrey Hellrung. Distributed
Copyright 2010 Lars Kielhorn
Copyright 2009 Erik Bryan
Copyright 1994-1996 Synplicity Inc. --
Copyright 2000 Steve Cleary & John Maddock
Copyright 1998-2000, 2002, 2004-2005, 2007, 2009-2010 Free Software Foundation Inc. Contributed by Mark Mitchell
(mark@markmitchell.com)
copyright 2008 Paul A. Bristow John Maddock
Copyright 2008-2019 Vicente J. Botet Escriba
Copyright 2011-2012 Renato Tegen Forti
Copyright 2002-2019 JIDE Software Inc
Copyright 2009, 2011 Helge Bahmann
Copyright 2003-2018 Joaquin
Copyright 2003, 2005-2009 David Abrahams Daniel Wallin
Copyright 2014-2015 Samuel Debionne Grenoble France
Copyright Copyright 2015
Copyright 2007 Andreas Kloeckner
Copyright 2002-2004 Thomas Witt
Copyright 2004 Aaron W. LaFramboise Roland Schwarz Michael Glassford
Copyright 2009 Chris Lattner
Copyright 2014 Paul Fultz II always
Copyright 1997 URW
Copyright 2017 Michel Morin. Distributed
Copyright 2016-2017 Alexander Zaitsev
Copyright 2001, 2004 Jeremy Siek <jsiek@cs.indiana.edu> Distributed
Copyright 2004-2005 David M. Gay
Copyright 2009-2014 Neil Groves. Distributed

Copyright 1992-2011 Nokia Corp and or its subsidiary
Copyright 2001-2013 Thomas Heller
Copyright 2012 Paul Fultz II match
Copyright 1999-2001 Beman Dawes David Abrahams
Copyright 1999-2004 Jaakko Jarvi
Copyright (c) 2008 Ryan McCabe <ryan@numb.org>
Copyright (c) 1998-2000 Ajuba Solutions. Contributions from Don Porter NIST
Copyright (c) 1997 99 Borland Corporation
Copyright 2014 Benoit
Copyright 2000-2015 The Apache Software Foundation or its licensors as applicable
Copyright 2009-2010 Mathias Gaunard
Copyright 2009 Pauli Virtanen <pav@iki.fi> Distributed
Copyright (c) 2016 Paul Fultz II config.hpp Distributed under the Boost Software License Version
Copyright 2013 Andreas Hehn <hehn@phys.ethz.ch> ETH Zurich
Copyright 1995-2010 Jean-loup Gailly Brian Raiter and Gilles Vollant
Copyright 2007 Staikos Computing Services Inc
Copyright 2012-2019 Glen Joseph Fernandes (glenjofe@gmail.com)
Copyright 2015-2019 Antony Polukhin Distributed
Copyright 2008, 2010-2011 Vicente J. Botet Escriba Distributed
Copyright (c) 2017 Paul Fultz II filter.cpp Distributed under the Boost Software License Version
Copyright 2009-2018 Abel Sinkovics (abel@sinkovics.hu)
Copyright 2013 Agust
Copyright 2015 Bruno Dutra
Copyright 2007 David Deakins
Copyright 2012 Bejamin Sobotta John Maddock and Paul A. Bristow. Distributed
Copyright 2008 Author Matyas W Egyhazy
Copyright 2014 Christopher Kormanyos John Maddock Paul A. Bristow
Copyright 2004-2015 Free Software Foundation Inc. Written by Scott James Remnant
(C) COPYRIGHT 2017 ARM Limited Based on gzip
Copyright 2004, 2006-2007 International Business Machines Corp Carnegie Mellon University
Copyright 2002 Raghavendra Satish
Copyright 2001-2003 LAAS CNRS -- Sat Oct
Copyright 2012-2014 Denis Demidov
Copyright 2002-2003 Juan Carlos Arevalo-Baeza
Copyright 2001-2002, 2004 ActiveState Corp
Copyright 1999-2001 Dave Carrigan
Copyright 2008, 2010 Gunter Winkler <guwi17@gmx.de>
Copyright 2006 Eric Niebler Olivier Gygi. Distributed
Copyright 2001 Dave Abrahams and Daryle Walker
Copyright 2013 Nakhar Agrawal
Copyright 2010 Thomas Heller For the example
Copyright (c) 2012 Paul Fultz II join.
Copyright 2003-2006 Gennaro Prota
Copyright (c) 2017 Valere JEANTET
Copyright 2008 Gennaro Prota Distributed
Copyright 2002 Jeff Garland and Beman Dawes
Copyright 2017 Paul Fultz II implicit.cpp Distributed
Copyright 1992 HELIOS Software GmbH
Copyright 2010-2018 Justinas Vygintas Daugmaudis
Copyright 2009-2012 David Abrahams Vicente Botet Ion Gaztanaga
Copyright 2001-2002 Daniel C. Nuffer
Copyright (C) 2008-2009 Thomas Gleixner <tglx@linutronix.de>
Copyright 2002-2012 Paul Menssonides
Copyright 1997-2001 University of Notre Dame. Author Jeremy G. Siek
copyright 2006 2007 2008 2009 2010 2011 2012 Julio M. Merino Vidal Ilya Sokolov Felipe Tanus Jeff Flinn Boris Schaeling
Copyright (c) 2017 Paul Fultz II mutable.cpp Distributed under the Boost Software License Version
Copyright 2013 Austin English
Copyright 2007-2012 John Maddock & Paul A. Bristow

Copyright 2005-2007 Matthew Calabrese
Copyright 2004, 2010 Christian Costa
Copyright (c) 2017 Paul Fultz II conf.py Distributed under the Boost Software License Version
Copyright 1995-1998 Eric Young (eay@cryptsoft.com)
Copyright 2015, 2017 Paul Fultz II repeat
Copyright 2012 ohn Maddock
Copyright 2014 Paul Fultz II returns
Copyright 1986, 1994, 1998 Hewlett-Packard Co
Copyright 2002, 2004 Pavel Vozenilek
Copyright 2005 Redshift Software Inc
Copyright 2004 Bertolt Mildner
Copyright 2010 Nikita Vasilyev
Copyright 2006-2007 notice to include the year
Copyright 2003-2018 Joaquin M Lopez Munoz
Copyright 2000 Keld Helsgaun
Copyright 2003 Giovanni Bajo
Copyright 2003-2007 Tobias Schwinger
Copyright 2006 Alisdair Meredith
Copyright 1991, 1993 DJ Delorie
copyright 2003 2005 David Abrahams Jeremy Siek Thomas Witt
Copyright 2016-2017 Sylvain Corlay and Johan Mabilie
Copyright 2013 Nikhar Agrawal
Copyright 2001 Andrei Alexandrescu. Distributed
Copyright 2006 John Maddock Paul A. Bristow and Xiaogang Zhang. Distributed
Copyright (c) 2017 Paul Fultz II lambda.cpp Distributed under the Boost Software License Version
Copyright 2001, 2006 International Business Machines Corp Sony Computer Entertainment Inc
Copyright 2013 Davide Anastasia <davideanastasia@users.sourceforge.net>
Copyright (c) 2014 Agustin Berge Distributed under the Boost Software License Version
Copyright (c) 2019 Christian Mazakas
Copyright 2006 Hans Leidekker
Copyright 2010 Matteo Bruni for CodeWeavers
Copyright 2014 Paul Fultz II lambda
Copyright 2000 Ajuba Solutions Contributions from Don Porter NIST
Copyright (c) 2014 Paul Fultz II unwrap.
Copyright 2001-2011 Lehigh University Yan Xu and Ted Ralphs
Copyright (c) 2016 Paul Fultz II noexcept.hpp Distributed under the Boost Software License Version
Copyright 2018-2019 Cem Bassoy cem.bassoy@gmail.com
Copyright 1999-2001 Jaakko Jarvi (jaakko.jarvi@cs.utu.fi) Gary Powell (gwpowell@hotmail.com)
Copyright 2003 Synge Todo
Copyright 2014 Ian Forbed
Copyright 2009-2013 mingw-
Copyright 2014 Christopher Kormanos
Copyright 1994-1996 the Omega Project
Copyright 1990-2000 Info-ZIP
Copyright 1986, 1994, 1999, 2016 Radical Eye Software
Copyright 2009, 2013 Sebastian Redl Distributed
Copyright 1994-1996 The Univ. of Colorado
Copyright 2014 Boris Rasin Antony Polukhin
Copyright 2002-2009 Vladimir Prus Robert Ramey and Takatoshi Kondo
Copyright 2009-2012 Artyom Beilis Distributed
Copyright 2009-2011 Gunter Winkler David Bellot
Copyright 1998-1999 Greg Colvin and Beman Dawes
Copyright 2015 the original author or authors
Copyright 2001-2008, 2010 Douglas Gregor
Copyright 2014 Paul Fultz II tap
Copyright 2008 Eli Friedman
Copyright 2019 Przemyslaw Bartosik
Copyright (C) 1998 by Andreas R. Kleinert

Copyright 2013, 2015 Muhammad Junaid Muzammil <mjunaidmuzammil@gmail.com>
Copyright 2018 Robin Linden
Copyright Copyright 2012
Copyright 1998-1999 Enbridge Pipelines Inc
Copyright 2016-2019 Joaquin M Lpez Muoz
Copyright 2014 Glen Fernandes
Copyright 2001 Jens Mauer
Copyright 2008-2011 Joachim Faulhaber Distributed
Copyright 1993 Intel Corp
Copyright 2014 Alexander Lauser. Authors Alexander Lauser
Copyright 2019 Henry Schreiner Hans Dembinski
Copyright 2015 Michael Caisse ciere.com
Copyright 1984, 2000 S.L. Moshier
Copyright 2013 Nat Goodspeed
Copyright 2009 Dean Michael Berris <me@deanberris.com>
Copyright (C) 1995-1996 Jean-loup Gailly Brian Raiter and Gilles Vollant. File written by Gilles Vollant by converting match686.S from Brian Raiter for MASM. This is as assembly version of longest
Copyright 2000-2013 Joerg Walter Mathias Koch Athanasios Iliopoulos
Copyright 2005 Pablo Aguilar
Copyright 1999-2006 Cortex Software GmbH Kantstrasse
Copyright 2010-2012 D. E. Shaw Research
Copyright 1998-2010 Gilles Vollant -
Copyright 2018 T. Zachary Laine Distributed
Copyright 1987, 2000-2011 International Business Machines Corp and others
Copyright (C) 2008-2018 Lorenzo Caminiti -- Distributed under the Boost Software License Version
Copyright 2015 Paul Fultz II construct
Copyright 1995-2014 The MathWorks Inc. if defined
Copyright 2010 Larry Evans
Copyright 2016 Wolf Vollprecht Johan Mabilie and Sylvain Corlay
Copyright 2017 Kristian Popov <kristian.popov@outlook.com>
Copyright (c) 2015 Orson Peters <orsonpeters@gmail.com>
Copyright 2016 Johan Mabilie and Sylvain Corlay
Copyright 2013 Krzysztof Czainski
Copyright 2009 Trustees of Indiana University. Authors Michael Hansen
Copyright 2009-2011 Christopher Schmidt
Copyright 2006-2013 Alexander Chemeris
Copyright 2003-2019 Joaquin M Lopez Munoz. Distributed
Copyright 2002-2010 Marcin Kalicinski
Copyright 2008 Benjamin Kosnik <bkoz@redhat.com>
Copyright 2002, 2007, 2009 Free Software Foundation Inc. echo
Copyright 2010 Maarten Lankhorst for CodeWeavers
Copyright 2009 Trustees of Indiana University. Authors Michael Hansen Andrew Lumsdaine
Copyright 2011 Adapteva Inc
Copyright 2011-2017 Adam Wulkiewicz
Copyright 2005, 2007 Aaron Windsor
Copyright 1998-1999 Slava Pestov
Copyright 2019 yWorks GmbH & middot
Copyright 2009, 2012 Boris Schaeling
Copyright 1997-2000 Ajuba Solutions
Copyright (c) 2017 Paul Fultz II alias.cpp Distributed under the Boost Software License Version
Copyright 2001 Eric Ford & Hubert Holin
Copyright 2003 Artem B. Bitvuckiy SoftMine Corp. Rights transferred to Franklin Electronic Publishers
Copyright 2019 Paul A. Bristow additions for more control of serif-italic font etc
Copyright 1996 Xavier Leroy (Xavier.Leroy@inria.fr)
Copyright 1996-2012 Anthony Green Red Hat Inc and others
Copyright 2005-2008 Redshift Software Inc. Distributed
Copyright 2004, 2006 Michael Stevens
Copyright 2001-2008 Dan Marsden

Copyright 1997-2000 University of Notre Dame
Copyright 2019 Olzhas Zhumabek <anonymous.from.applecity@gmail.com>
Copyright 2002 JSON.org
Copyright (c) 2012 Paul Fultz II seq.
Copyright 2005-2011 Horand Gassmann Jun Ma Kipp Martin Northwestern University Dalhousie University and the University of Chicago
copyright 2000 2005 Steve Cleary and John Maddock
Copyright 2003-2007 Niklas Een Niklas Sorensen
Copyright 2005 COIN-OR
Copyright 2000 Martin Pool <mbp@humblebug.org.au>
Copyright 2011 Thomas G. Lane Guido Vollbeding
Copyright 1995-2017 Mark Adler
Copyright 2011 Paul A. Bristow Inc Boost.Math
Copyright 2001, 2010-2011 LAAS CNRS -- Tue Oct
Copyright Johan Rade and Paul A. Bristow 2011
Copyright 2009-2011 Frederic Bron. Distributed
Copyright 2006 Eric Niebler Olivier Gygi
1999 Copyright URW Software
Copyright 2013 Cromwell D. Enage Distributed
Copyright 2002-2011 Lehigh University Matthew Galati and Ted Ralphs
Copyright 2012 Paul Fultz II pipable
Copyright Klemens David Morgenstern Hans P. Dembinski 2016-2017
Copyright 1984-1985, 1987-2016 Free Software Foundation Inc
Copyright 2014 Paul Fultz II infix
Copyright 1999 Xilinx Corp. Xilinx begin
Copyright 2014-2015, 2017-2019 Peter Dimov. Distributed
Copyright 2001 Samuel Krempp krempp@crans.ens-cachan.fr Distributed
Copyright 2014 Paul Fultz II compose
Copyright 2013 University of Warsaw. Authors Piotr Wygocki
Copyright 2003 Jonathan de Halleux
Copyright 2004 Trustees of Indiana University -- -- Distributed
Copyright 2009-2010 Mathias Svensson
Copyright 2001 Jeremy Siek and John R. Bandela
Copyright (c) 2014 Richard Thomson. May be freely distributed. Created Friday October
copyright 2009-2019 Barend Gehrels Bruno Lalande Mateusz Loskot Adam Wulkiewicz Oracle and or its affiliates
Copyright 2001-2002 Vincent Darley
Copyright 2002-2006 Kiyoshi Matsui <kmatsui@t3.rim.or.jp>
Copyright 2016 K. Noel Belcourt
Copyright 2006 Olivier Gygi Daniel Egloff. Distributed
Copyright 2000-2007 CrystalClear Software Inc
Copyright (c) 2001 2010 LAAS CNRS -- Sun Oct
Copyright 2003-2004, 2007 Lou Hafer International Business Machines Corp and others
Copyright 2015 Paul Fultz II if
Copyright 1996-2010 Texas Instruments Inc
Copyright 2000, 2003 Free Software Foundation Inc. GDB is free software covered by the GNU General Public License and
Copyright 2008-2010 Gordon Woodhull
Copyright 1998-2000 Jacques Nomssi Nzali
Copyright 1989, 2013-2014 Mageswaran.D <mageswaran1989@gmail.com>
Copyright 2011-2012 Brandon Kohn
Copyright 2012 Boris Schaeling Distributed
Copyright 1998 Mark Harrison
Copyright 2012-2019 Mateusz Loskot <mateusz@loskot.net>
Copyright 2013, 2015-2019 Antony Polukhin. Distributed
Copyright 2016-2019 2019Damian Jarek
Copyright 2007-2010 Frank Mori Hess
Copyright 2016 John Maddock Paul A. Bristow Thomas Luu Nicholas Thompson. Distributed under the Boost Software License Version
Copyright 2001, 2009 Ronald Garcia
Copyright (c) 2015 Paul Fultz II alias.

Copyright 2007 Davide Raccagni
Copyright 2011 Paul Heil
Copyright 2009 ArtVPS Ltd
Copyright 2003-2004 David Abrahams Jeremy Siek and Thomas Witt
Copyright 2009 Pablo Halpern
Copyright 2002 SuperH Inc
Copyright 1992-2015 The University of Tennessee and The University
Copyright 2003 Chris Anderson <christop@charm.net> Please
Copyright 2005 Terje Sletteb and Kevlin Henney
Copyright 1999-2004, 2006 Jeremy Siek
Copyright 2015 Mario Mulansky <mario.mulansky@gmx.net>
Copyright 2002-2008 Robert Ramey and Joaquin M Lopez Munoz
Copyright 2004 Kristopher Beevers
Copyright 1996-2001, 2003-2008 Free Software Foundation Inc. Originally by Gordon Matzigkeit <gord@gnu.ai.mit.edu>
Copyright 2006 2013 John Maddock Paul A. Bristow Xiaogang Zhang and Christopher Kormanyos.
Copyright (C) 2004 Vincent Bron
Copyright 2004 Vyacheslav E. Andrejev
Copyright 2008-2013 Tim Blechmann
Copyright 2016 Mikhail Maximov. Distributed under the Boost Software License Version
Copyright 2011 Joerg Becker
Copyright 2017 Bjorn Reese
Copyright 2003 Tim Helge Hultberg
Copyright 2007 Matthias Troyer <troyer@boost-consulting.com>
Copyright 2004-2019 Ion Gaztanaga
Copyright 2014, 2016 Paul Fultz II function
Copyright 2002-2010, 2014, 2017-2018 Robert Ramey -
Copyright 2018 agate-pris
Copyright 2011-2012 Digia Plc
Copyright 2006 Ralf W. Grosse-Kunstleve & David Abrahams
Copyright 2001 Ronald Garcia Indiana University (garcia@osl.iu.edu)
Copyright 2000 Maarten Keijzer
Copyright (c) 2017 Paul Fultz II fix.cpp Distributed under the Boost Software License Version
Copyright 1999 Netscape Communications
Copyright 2014 P.-G. Martinsson V. Rokhlin Y. Shkolnisky and M. Tygert
Copyright 2001 Stephen Silver
Copyright 2001 Jaakko J
Copyright 2007-2008 Even Rouault
Copyright 2011 Digia Plc For any questions to Digia please
Copyright 2006-2009 Emil Dotchevski and Reverse Studios Inc. --
Copyright 2017-2018 Tom Hughes
Copyright 2010 Carl Philipp Reh
Copyright 2014 Christoph Weiss
Copyright 2003-2009 Matthias Christian Schabel
Copyright 2008 Bruno Lalande
Copyright 2015-2017 Michael Park
Copyright (c) 2006 Ivan Sagalaev All rights reserved. Redistribution and use in source and binary forms with or without
Copyright 2017 Paul Fultz II always.cpp Distributed
Copyright 1996-2010 Julian R Seward
Copyright (c) 2014 Paul Fultz II move.
Copyright (c) 2017 Paul Fultz II reveal.cpp Distributed under the Boost Software License Version
Copyright 2004 Michael Glassford
Copyright 2016 arett Adair
Copyright 1991-2009 Free Software Foundation Inc. .PP
Copyright 2001 Bruce Florman
Copyright 1999-2010 Aleksey Gurtovoy
Copyright 2004 Alexander Stippler
Copyright 2000, 2002 Gary Powell (gwpowell@hotmail.com)
Copyright 2008, 2010 Gunter Winkler <guwi17@gmx.de> Distributed

Copyright (C) 2004-2008 Rene Nyffenegger
Copyright (c) 2017 Paul Fultz II function.cpp Distributed under the Boost Software License Version
Copyright 2007 Shane King
Copyright 2009-2012 Jeremy Ashkenas DocumentCloud Inc. Underscore is freely distributable
Copyright 2017-2019 Nick Thompson
Copyright 2006 Matthias Troyer
Copyright 2016 Jeffrey E. Trull
Copyright (c) 1997 Phillip F Knaack. All rights reserved. . .
Copyright 2004, 2009-2010 Chris Hoeppler
Copyright 2002-2003 Herv
Copyright (c) 1992 1993 1995 1996 1997 1988 Jens-Uwe Mager Helios Software GmbH Hannover Germany. Not derived from licensed software. Permission is granted to freely use copy modify and redistribute
Copyright 1992-1995, 1997-1998, 2000-2007, 2009 Free Software Foundation Inc. Contributed by Cygnus Support. Written by Julia Menapace Jim Kingdon
Copyright (c) 2017 Paul Fultz II arg.cpp Distributed under the Boost Software License Version
Copyright 2003 Vaclav Vesely
Copyright 2013, 2016-2017 Rene Rivera Distributed
Copyright 2007-2019 John Maddock. Distributed
Copyright 2001-2002 Daryle Walker and Stephen Cleary
Copyright 2006 Daryle Walker Hubert Holin and John Maddock
copyright 2014-2018 Andrzej Krzemie&
Copyright 2010-2011 Barend Gehrels
Copyright (c) 2000 Andreas Kupries. All rights reserved.
Copyright 2003 Gunter Winkler Joerg Walter
Copyright 1999-2001 by Eric Albert (ejalbert@cs.stanford.edu) and may be redistributed or modified in any form without restrictions as long as the portion of this comment from this paragraph through the end of the comment is not removed. The author requests that he
Copyright 2016-2017 Alexander Zaitsev <zamazan4ik@gmail.com>
Copyright 2009-2010 Vicente J. Botet Escriba . Distributed
Copyright 2015 Jeremy W. Murphy
Copyright 2006-2018 John Maddock and Paul A. Bristow. Distributed
Copyright 2009-2015 Artyom Beilis
Copyright 2019 Pranam Lashkari <plashkari628@gmail.com>
Copyright 2000 David Abrahams. Distributed
Copyright 2004-2009 Gunter Winkler
Copyright 2007, 2010, 2012 Paul A. Bristow. Distributed
Copyright 2003 David Abrahams Jeremy Siek
Copyright 2001-2007 Hartmut Kaiser --
Copyright 2013 2017-2018 Cray Inc. Use modification and distribution are subject to the Boost Software License Version
Copyright 2000-2005 Kevlin Henney
Copyright 2002 Brad King (brad.king@kitware.com) Douglas Gregor (gregod@cs.rpi.edu)
Copyright (C) 2003 Cosmin Truta. Derived from original sources by Bob Dellaca. For conditions of distribution and use see
Copyright 2010 Sergey GooRoo Olendarenko
Copyright 2013 Alberto Santini Author Alberto Santini <alberto@santini.in>
Copyright 2012-2016 Klemens Morgenstern
Copyright 2006 Ralf W. Grosse-Kunstleve
Copyright 2009, 2013 Carl Barron
Copyright 1990-1994, 1996, 1998-2006, 2008-2009 Free Software Foundation Inc. Contributed by Cygnus Solutions. Written by John
Copyright 2011-2013 Andrew Hundt <ATHundt@gmail.com>
Copyright 2007 CodeRage Author Jonathan Turkanis
Copyright 2002 Guillaume Melquiond Sylvain Pion Hervé Brönnimann Polytechnic University
Copyright 2008 Guido U. Draheim <guidod@gmx.de>
Copyright 2015 Paul Fultz II flow
Copyright 2009 Edward Grace
Copyright 2001 Vladimir Prus <ghost@cs.msu.su>
Copyright (c) 2004 2005 Mark Adler. --
Copyright 2006-2007 Daniel Walker
Copyright 1996 Internet Software Consortium
Copyright 2008-2009 Matteo Frigo

Copyright 2015 Moritz Klammler <moritz@klammler.eu>
Copyright 2007-2008 Steven Watanabe Joseph Gauterin Niels Dekker
Copyright 2000-2015 The University of California Berkeley
Copyright (C) 2006 Kazutoshi Satoda
Copyright 2000-2009 Michael Stevens Mathias Koch Joerg Walter Gunter Winkler
Copyright (c) 2015 Paul Fultz II can
Copyright 2016 INRIA Paris
Copyright 2000 Clark Cooper
Copyright 2005-2007 Matthias Troyer
(C) Giacomo Nannicini 2010
Copyright 2007-2014 Michael Lehn
Copyright 2004-2010 Alexander Nasonov
Copyright (C) 2000 2001 Free Software Foundation Inc. Contributed by Zack Weinberg <zackw@stanford.edu>.
Copyright 2005-2015 Michele Simionato
Copyright 2017 Felix Salfelder
Copyright 2018-2019 Matthew Pulver
Copyright 2005-2009 Trustees of Indiana University Distributed
Copyright 1998 Christian Wurrll
Copyright 2000 Gary Powell (gary.powell@sierra.com)
Copyright 2013 Antony Polukhin Move semantics implementation
Copyright Borland International
Copyright 2004-2005 Arkadiy Vertleyb
Copyright 2016-2017 Paul Fultz II print.cpp Distributed
Copyright 1995-2004 Regents of the University of Colorado
Copyright 2011 Klarlvdalens Datakonsult AB
copyright as the man pages. Sep 14 1996
Copyright (c) 2007 by Frank Mori Hess <fmhess@users.sourceforge.net>
Copyright 2002 Pearu Peterson
Copyright 2006 Michael van der Westhuizen
Copyright (C) 2008 Collabora Ltd. All rights reserved.
Copyright 2005 Igor Chesnokov mailto:ichesnokov@gmail.com
Copyright 2006 Anthony Williams Distributed
Copyright 2004-2010 Apple Inc
Copyright 2004 Joe Coder. Distributed
Copyright 2001 Jaakko J u00E4rvi
Copyright 2005-2006, 2009 Alexander Nasonov. Distributed
Copyright 2013 Paul A. Bristow Doxygen comments changed for new
Copyright 2009-2011, 2014 LRI UMR
Copyright 2009-2012, 2014 Marco Guazzzone
Copyright (C) 2002 Oliver Henning
Copyright 1998 Addison-Wesley Longman Inc
Copyright 2014, 2018-2019 Glen Joseph Fernandes
Copyright 2004-2011 International Business Machines and others
(c) Copyright 1999 - 2015 Verific Design Automation Inc. -- All rights reserved. --
Copyright 1999 Xilinx Corp
Copyright 2017 Paul Fultz II tuple
Copyright (c) 1995 Dave Nebinger.
Copyright 2005-2011 Robert Fourer Horand Gassmann Jun Ma Kipp Martin Northwestern University Dalhousie University and the University of Chicago
Copyright 2008 Ilya Sokolov Boris Schaeling
Copyright 1996-2001 ASCII Corp.(www-ptex@ascii.co.jp) based on dvipsk
Copyright 2004-2007 ©

libeng.dllENGCLOSEENGEVALSTRINGENGGETVARIABLEENGOPENENGOUTPUTBUFFERENGPUTVARIABLEengCloseengEvalStringeng
GetVariableengGetVisibleengOpenengOpenSingleUseengOutputBufferengPutVariableengSetVisiblelibeng_build_datelibeng_versionQ
QpAPRHA0Q!SAOT@@PTp@OpV@TV V\$VVUUUSSSSvs
Copyright 2002-2007 Michael J. Fromberger
Copyright (c) 2019 Tinko Bartels

Copyright 2018 Andrey Semashev Distributed
Copyright 2002 Martin Ecker
Copyright 2009-2019 Mateusz Loskot London UK
Copyright 1996 L. Peter Deutsch
Copyright 2000-2005 Jens Maurer
Copyright 2000 Stephen Cleary
Copyright 1995, 2006, 2013-2019 Oracle and or its affiliates
Copyright 2003 Robert Shearman
Copyright 2017 Vinnie NotDefaultConstructible
Copyright (c) 2017 Paul Fultz II pipable.cpp Distributed under the Boost Software License Version
Copyright 2005, 2007, 2010 Lou Hafer
Copyright 2005-2010 ActiveState Software Inc
Copyright 2012 Oswin Krause
Copyright 2014-2018 Andrzej Krzemienski
Copyright (c) 2017 Paul Fultz II result.cpp Distributed under the Boost Software License Version
Copyright 2017 Paul Fultz II unpack.cpp Distributed
Copyright 2008-2009 Steven G. Johnson <stevenj@alum.mit.edu>
Copyright 2003-2007 Jonathan Turkanis Distributed
Copyright 2013 Paul A. Bristow additions for more colors and alignments
Copyright 2009-2012 Lorenzo
Copyright 2015-2017 Jakub Szuppe <j.szuppe@gmail.com>
Copyright 2009-2011 Steven Watanabe Distributed
Copyright (C) 1999 America Online Inc.
Copyright (c) 2019 Tom Tan
Copyright 2002 Marc Wintermantel (wintermantel@imes.mavt.ethz.ch) ETH Zurich Center of Structure Technologies
Copyright 2004 eXtensible Systems Inc
Copyright 2004 Henrik Ravn
Copyright 1999-2001 Paul Moore
Copyright 1990-2011 The MathWorks Inc. MathWorks grants
Copyright (C) 2001 Tom Bradford
Copyright 2017 Bjrn Reese
Copyright 2010 Cowboy Ben Alman Dual
Copyright 2006 Eric Niebler
Copyright 2016-2018 Paul Fultz II
Copyright 2003-2019 Joaquiíacute
Copyright 1998 M. Warner Losh <imp@freebsd.org>
Copyright 2001 Ronald Garcia Indiana University (garcia@osl.iu.edu) Andrew Lumsdaine Indiana University (lums@osl.iu.edu).
Distributed
Copyright (c) 1998-2004 2006 Free Software Foundation Inc. -- -- -- -- Permission is hereby granted free of charge to any person
obtaining
Copyright 2014 Glen Joseph Fernandes glenfe at live dot com
Copyright 2008 James Hawkins for CodeWeavers
Copyright 2000 Clark Cooper dnl dnl This file is part of EXPAT.
Copyright 2000, 2002-2003, 2005-2008 International Business Machines
Copyright 2019, 2211 Miral Shah <miralshah2211@gmail.com>
Copyright 2018 Steffen Hirschmann
Copyright (c) 2017 Paul Fultz II rotate.cpp Distributed under the Boost Software License Version
Copyright 2015, 2018 Kohei Takahshi
Copyright 2014 Paul Fultz II indirect
Copyright 2007 the Initial Developer
Copyright 1997, 2005-2006, 2009, 2012 IBM Corp
Copyright 2006 Marcin Kalicinski Distributed
Copyright 2018 Jiaxun Yang
Copyright 2015 Paul Fultz II eval
Copyright 2013-2014 Nikhar Agrawal Christopher Kormanyos John Maddock Paul A. Bristow. Distributed
Copyright 2001, 2006 John Maddock
Copyright 2015, 2017 Paul Fultz II apply
Copyright 2009-2016 the contributors listed in CREDITS.TXT

Copyright 2017, 2019 Nick Thompson Distributed
Copyright 2018-2019 Cem Bassoy
Copyright 2005-2019 Rene Rivera
Copyright 1995 Gerald Evenden
Copyright 1999-2006 Cortex Software GmbH
Copyright 2006 Johan Rade
Copyright 2014 NumScale SAS
Copyright 2009 Jesse Williamson
Copyright 2013 2013 John Maddock Anton Bikineev.
Copyright 2005-2012 Daniel James
Copyright 2015 Jakub Pola <jakub.pola@gmail.com>
Copyright 2001-2006 Expat maintainers
Copyright 2012 Duncan Exon Smith
Copyright 1990, 2008 Oracle
Copyright 1995-1996 The President and Fellows of Harvard University
Copyright (c) 1997 99 Borland Corp. and is based on zlib version
Copyright 2012-2018 Kohei Takahashi
Copyright 2006 Zack Rusin <zack@kde.org>
Copyright 2014 iamvfx@gmail.com
Copyright (c) 2017 Paul Fultz II compose.cpp Distributed under the Boost Software License Version
Copyright 2011 Robert Nelson
Copyright 2003-2004 Robert Reif
Copyright (c) 2014 fqiang
Copyright textcopyright Matthew Pulver 2018--2019
Copyright 2014 Paul Fultz II placeholders
Copyright 2006-2008 International Business Machines Corp
Copyright 2010, 2014 Neil Groves Distributed
Copyright (C) 1999 Clancy Malcolm Based on HTMLTokenMarker.java
Copyright 2004, 2013, 2017-2019 Cromwell D. Enage
Copyright 2002-2006 Pavol Droba
Copyright 2001 Jeremy G. Siek Andrew Lumsdaine Lie-Quan Lee
Copyright 2005-2007 Douglas Gregor <doug.gregor@gmail.com>
Copyright 1996 Ronald Van Iwaarden
Copyright 2012 Benjamin Sobotta
Copyright 2018 Evgeny Shulgin
Copyright 2009 Sebastian Redl
Copyright 2003 Jonathan de Halleux (dehalleux@pelikhan.com)
Copyright 2006-2007 Julio M. Merino Vidal
Copyright 2014 Kohei Takahashi Distributed
Copyright 2008-2009 Henri Verbeet for CodeWeavers
Copyright (c) 2017 Paul Fultz II flow.cpp Distributed under the Boost Software License Version
Copyright 2000 Beman Dawes & John Maddock.
Copyright 2004 Rani Sharoni Robert Ramey Pavel Vozenilek and Christoph Ludwig
Copyright 1999-2009 Free Software Foundation Inc. Contributed by the Arenaire and Cacao projects INRIA
Copyright 2008-2018 Marshall Clow
Copyright 2014 Kyle Lutz <kyle.r.lutz@gmail.com> Distributed
Copyright 2011 Laurent Gomila
Copyright 2001-2004, 2009 Vladimir Prus
Copyright 2006-2015 The University of Colorado Denver
Copyright 2003 CrystalClear Software
Copyright 2017 Dynatrace
Copyright 2002-2004 Dmitry Anisimkov -- -- -- -- Open source license information is in the zlib.ads file. --
Copyright 2005 Peter Berg Larsen
Copyright 2008, 2014 Thijs van den Berg
Copyright 2007, 2009 David Adam
Copyright 2015, 2017 Paul Fultz II rotate
Copyright 2016-2018 T. Zachary Laine
Copyright (c) 2001-2007 James Cherry All rights reserved.

Copyright 2009-2016 Vladimir Batov
Copyright 2001-2002 Chris Uzdavinis
Copyright (c) 2015 Paul Fultz II callable
Copyright 2007-2008, 2010 Tony Wasserkka
Copyright 2013-2019 Vinnie Falco
Copyright (c) 2005 Your Corporation. All Rights Reserved.
Copyright 2005-2018 Catalysoft Ltd
Copyright 2019 & x00A9
Copyright 2004 Jonathan Brandmeyer
Copyright 2012-2013 Klaus Pototzky
Copyright 2017 Sergey Krivonos
Copyright 2004 Angus Leeming
Copyright 1993-1997 Bell Labs Innovations for Lucent Technologies
Copyright 2008-2009 Katholieke Universiteit Leuven
Copyright 2010-2012 Benjamin Peterson
Copyright 2006 Xiaogang Zhang
Copyright 2002-2003 Beman Dawes Boost.Filesystem Distributed
Copyright 2010, 2018 Daniel James Distributed
Copyright 2005 Christopher Diggins
Copyright 2001-2009 Daniel Nuffer
Copyright 2002 Robert Ramey-
Copyright 2006-2019 Paul A. Bristow
Copyright (c) 2017-2017 Albert Sverdllov
Copyright 2008 Luis Busquets
Copyright 2009-2012 Matias Meno
Copyright 2007 Noel Belcourt
Copyright 2001 Dietmar Kuehl
Copyright 2005-2006 Shunsuke Sogame
Copyright 1999, 2004, 2007, 2011 Francois Gouget
Copyright 2003 Pavel Vozenilek and Robert Ramey -
Copyright 2002 Craig Henderson
Copyright 2004 National Semiconductor Corp
Copyright 2012 Qualcomm Innovation Center Inc
Copyright 2002 Indiana University. Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek
Copyright 2001-2012, 2014 Thomas Bernard
Copyright 2006 Dean Edwards License
Copyright (c) 2003 LAAS CNRS -- Mon Jul
Copyright 2014 Marco Guazzone (marco.guazzone@gmail.com) Distributed
Copyright (c) 2016 Paul Fultz II intrinsics.hpp Distributed under the Boost Software License Version
Copyright 2003-2007 Jonathan Turkanis
Copyright 2009-2010 Tim Blechmann Distributed
Copyright 2005 Eric Niebler Daniel Egloff. Distributed
Copyright 1984-2102 The MathWorks Inc
Copyright 2003-2004 Jeremy B. Maitin-Shepard
Copyright (c) 2004-2008 KJK Hyperion
Copyright 2010 Lockless Inc
Copyright 2005 Oliver Stieber
Copyright 2011 Francois Mauger
Copyright 1999-2000 Konstantin Chuguev
Copyright 2017 Michel Morin
Copyright (c) 2017 Paul Fultz II decorate.cpp Distributed under the Boost Software License Version
Copyright 2019 Austin Beer
Copyright 1999-2002 Stephane Carrez (stcarrez@nerim.fr)
Copyright 2012 define XSTR
Copyright (C) 2001 Douglas Gregor (gregod@cs.rpi.edu)
Copyright 2010 CodeSourcery Inc
Copyright 2008 Timo Bingmann from
Copyright 2019 yWorks

Copyright 1993-2015 Free Software Foundation Inc. Written by Steve Chamberlain and Ian Lance Taylor Cygnus Support
Copyright 2007-2008 Joseph Gauterin
Copyright 2013 Niall Douglas additions for colors and alignment
Copyright (C) 2015 Free Software Foundation Inc. gdbserver is free software covered by the GNU General Public License. This
gdbserver was configured as
Copyright 2014 Paul Fultz II reveal
Copyright 2015 Oracle and or its affiliates. Contributed and or modified by Menelaos Karavelas on behalf of Oracle
Copyright 2008 Holger Hans Peter Freyther
copyright 2002 2003 2004 2005 2010 2014 2015 Joel de Guzman Dan Marsden Thomas Heller John Fletcher
Copyright (c) 2017 Paul Fultz II CMakeLists.txt Distributed under the Boost Software License Version
Copyright 2004 Robert Ramey and Martin Ecker
Copyright 2013 Ankur Sinha
Copyright 2009 Trustees of Indiana University. Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek Michael Hansen
Copyright 2011 Paul A. Bristow To incorporate into Boost.Math
Copyright 2012 Paul Fultz II implicit
Copyright 2000-2008 Fernando Luis Cacciola Carballal
Copyright 2008 Peter Kankowski
Copyright 2005-2018 Daniel James. Distributed
Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler .LP This software is provided
Copyright (c) 2017 Paul Fultz II flip.cpp Distributed under the Boost Software License Version
Copyright (c) 2017 Paul Fultz II tap.cpp Distributed under the Boost Software License Version
Copyright 2012-2013 Andreas Angelopoulos
Copyright 1995-1996 Guy Eric Schalnat Group
Copyright (c) 2000 2001 2002 Free Software Foundation Inc. &
Copyright 2001 Lie-Quan Lee
Copyright 2001-2011 LAAS-CNRS static char
Copyright 2003-2014 Neil Groves
Copyright 2009, 2011 John Resig Dual
Copyright 1999 Citrus Project
Copyright 2014 Paul Fultz II protect
Copyright 2015 Eli Grey.
Copyright 1992-1996 Regents of the University of Michigan
Copyright (c) 2017 Paul Fultz II placeholders.cpp Distributed under the Boost Software License Version
Copyright 2005 Daniel K. O
Copyright 2012 Michael Lehn Klaus Pototzky
Copyright 2014-2015 John Fletcher Distributed
Copyright 2002 Herv Brnnimann Guillaume Melquiond Sylvain Pion
Copyright 2013 Paul Bristow Distributed
Copyright 2006-2015, 2018 Steven Watanabe
Copyright 2018 Oracle and or its affiliates Contributed and or modified by Adam Wulkiewicz on behalf of Oracle
Copyright 2013-2014 Rastko Anicic <anicic.rastko@gmail.com>
Copyright 2011 Dean Michael Berries
Copyright 2008 James Hawkins
Copyright (c) 2017 Paul Fultz II lift.cpp Distributed under the Boost Software License Version
Copyright 1993-1994 Exemplar Logic Inc
Copyright (c) 2008 samaxes.com
Copyright 2001-2003 William E. Kempf
Copyright 2013 Pascal Germroth Distributed
Copyright (c) 2017 Paul Fultz II proj.cpp Distributed under the Boost Software License Version
Copyright 2001-2002 Chuck Allison and Jeremy Siek
Copyright 2008-2009, 2014-2017 Oliver Kowalke
Copyright 2019, 2211 Miral Shah < miralshah2211@gmail.com >
Copyright 2006-2007 Daryle Walker Hubert Holin John Maddock
Copyright 2011-2012 Jeff Flinn Boris Schaeling
Copyright 2002 Vahan Margaryan
Copyright 2001-2002 Bill Kempf
Copyright 2017 Abel Sinkovics. Distributed
Copyright 1998-2018 Joel de Guzman Hartmut Kaiser

Copyright 2014 Christopher Kormanyos John Maddock and Paul A. Bristow. Distributed
Copyright 2013-2014 Anton Bikineev
Copyright 2014, 2804 Fabian Khler <fabian2804@googlemail.com>
Copyright 2017 NVIDIA CORPORATION. Use modification and distribution are subject to the Boost Software License Version
Copyright 2013 Christopher Kormanyos. Distributed
Copyright 2006-2007 Roland Schwarz
Copyright 2010 Nuovation System Designs LLC
Copyright 2002-2013 Thorsten Ottosen
Copyright (c) 2017 Paul Fultz II identity.cpp Distributed under the Boost Software License Version
Copyright 2010 Pietro Belotti
Copyright 2006-2007 Boris Gubenko
Copyright 1992-2015 The University of Tennessee and The University of Tennessee Research Foundation
Copyright (c) 2017 Paul Fultz II limit.cpp Distributed under the Boost Software License Version
Copyright 2007 Frank Birbacher
Copyright 2002-2010 Fernando Cacciola
Copyright 1994-2009 Red Hat Inc
Copyright 1995-2017 Jean-loup Gailly Mark Adler
Copyright 2015 Seth Heeren
Copyright 1998 1999 2000 2001 2002 2003 2004 2005 2009 Free Software Foundation Inc. Contributed by Daniel Berlin
(dan@cgsoftware.com).
Copyright 1998-1999 Glenn Randers-Pehrson
Copyright 2000-2007 The Apache Software Foundation
Copyright 1006, 1196, 1473, 1628 Copyright (C) MingW-W64 Project Members 2010-2011
Copyright 2007-2012 Christian Henning Andreas Pokorny
Copyright 2002 H Lohninger TU Wein H.Lohninger Teach Me Data Analysis Springer-Verlag Berlin-New York-Tokyo
Copyright (c) 2016 Paul Fultz II using.hpp Distributed under the Boost Software License Version
Copyright 2011 Ryan Molden
Copyright 1994-1995 Benjamin Lin
Copyright 2017 Sergey Krivonos and Edward Diener
Copyright 2012-2016 Yann Collet
Copyright (c) 2009-2017 Barend Gehrels Geodan Amsterdam the Netherlands.
Copyright 2000-2001 Alexey Zelkin <phantom@FreeBSD.org>
Copyright 2010 Gaetano Mendola
Copyright 2002-2009 Vladimir Prus and Robert Ramey
Copyright 2013 Andreas Hehn <hehn@phys.ethz.ch> ETH Zurich based on hellp-world
Copyright 2005-2007, 2012 Universiteit Leiden
Copyright 1999-2006, 2009 David Abrahams
Copyright 2003-2008 Thorsten Ottosen Neil Groves
Copyright 2000-2007 Joerg Walter Mathias Koch Gunter Winkler Michael Stevens
Copyright 2001-2019 Peter Dimov
Copyright 2013 Sergue E. Leontiev
Copyright 2004 Kris Beevers
Copyright 1997-2012 Free Software Foundation Inc. Written by Ian Lance Taylor Cygnus Solutions.
Copyright (c) 2017 Paul Fultz II issue8.cpp Distributed under the Boost Software License Version
Copyright 2000-2004 Joerg Walter Mathias Koch
Copyright 2000-2001, 2003 Synopsys
Copyright 1996-1997 Silicon Graphics
Copyright 2006 Jerry Huxtable
Copyright 2015 Paul Fultz II lift
Copyright 2008 Matyas Egyhazy
Copyright 2006 Tiago de Paula Peixoto <tiago@forked.de>
Copyright 2005-2011 Robert Fourer Horand Gassmann Jun Ma Kipp Martin Dalhousie University Northwestern University and the
University of Chicago
Copyright 2002-2005 Guillaume Melquiond
Copyright (c) 2017 Paul Fultz II combine.cpp Distributed under the Boost Software License Version
Copyright 2005 Arkadiy Vertleyb Peder Holt
Copyright (c) 2017 Paul Fultz II lazy.cpp Distributed under the Boost Software License Version
Copyright 2002-2006 The Apache Software Foundation or its licensors as dnl applicable. dnl

Copyright 2010, 2015-2019 Copyright 2011 Aaron Graham
Copyright 2000-2011 Joerg Walter Mathias Koch David Bellot
Copyright 2005 Jordan DeLong
Copyright 1995-2017 Jean-loup Gailly and Mark Adler
Copyright 2009-2019 Adam Wulkiewicz Lodz Poland
Copyright 2010-2012 Jim Bosch
Copyright 1998-2011 Solar Designer and it is hereby released to the general public
Copyright 1997 Cadence Design Systems Inc
Copyright 2016 Klemens Morgenstern Antony Polukhin
Copyright (c) 1998 Sun Microsystems Inc. puts
Copyright (C) 2002-2004 Dmitriy Anisimkov -- -- -- -- This library is free software you can redistribute it and or modify --
Copyright 2003 Francois Margot International Business Machines Corp and others
Copyright 1999 Mike Dillon
Copyright 2014 Boris Rasin
Copyright 2009-2013, 2015 Sebastian Redl
Copyright 2005, 2016-2018 Stefan Seefeld
Copyright 2008-2009 Francois Barel
Copyright 2015 Joel Falcou
Copyright 2012, 2015 INRIA Paris-Rocquencourt
Copyright 2013 Jakob Lykke Andersen University of Southern Denmark (jlandersen@imada.sdu.dk)
Copyright 2000-2009 Joerg Walter Mathias Koch Gunter Winkler
Copyright 2001 Ralf W. Grosse-Kunstleve. Distributed
Copyright 2009-2010 Robert Hogan <robert@roberthogan.net>
Copyright 2012, 2017 Paul Fultz II first
Copyright 2007-2010 jmc
copyright 2000 2011 Adobe Systems Inc David Abrahams Frederic Bron Steve Cleary Beman Dawes Aleksey Gurtovoy Howard Hinnant
Jesse Jones Mat Marcus Itay Maman John Maddock Alexander Nasonov Thorsten Ottosen
Copyright 1994 X Consortium
Copyright 2011 Simon West
Copyright 2018 Adeel Ahmad Islamabad Pakistan
Copyright 2017 Paul Fultz II Jamfile
Copyright 2019 Mateusz Loskot <mateusz at loskot dot net>
Copyright 2004 Jeremy Siek <jsiek@cs.indiana.edu>
Copyright 2008 Beman Dawes Distributed
Copyright Copyright Xilinx Inc. All Rights Reserved.
Copyright 2000-2006 David Abrahams and Thomas Becker
Copyright (c) 2008 Christian Haggstrom
Copyright 1994 Free Software Foundation Inc. Verbatim copying and redistribution of
Copyright 2001 Terje Slettebo
Copyright 2001-2005, 2011-2013 Daryle Walker
Copyright 2009-2014 The MathWorks Inc. ifndef
Copyright 1996-1997 Andreas Dilger
Copyright (C) 2000 2001 2002 Free Software Foundation Inc. Contributed by CodeSourcery LLC.

=====

LLVM Release License

=====

University of Illinois/NCSA
Open Source License

Vivado ML Lab Solutions Third Party Licensing Guide 2025.10.24 443

All rights reserved.

Developed by:

LLVM Team

University of Illinois at Urbana-Champaign

<http://llvm.org>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal with the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimers.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimers in the documentation and/or other materials provided with the distribution.
- * Neither the names of the LLVM Team, University of Illinois at Urbana-Champaign, nor the names of its contributors may be used to endorse or promote products derived from this Software without specific prior written permission.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE CONTRIBUTORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS WITH THE SOFTWARE.

=====
Copyrights and Licenses for Third Party Software Distributed with LLVM:
=====

The LLVM software contains code written by third parties. Such software will have its own individual LICENSE.TXT file in the directory in which it appears. This file will describe the copyrights, license, and restrictions which apply to that code.

The disclaimer of warranty in the University of Illinois Open Source License applies to all code in the LLVM Distribution, and nothing in any of the other licenses gives permission to use the names of the LLVM Team or the University of Illinois to endorse or promote products derived from this Software.

The following pieces of software have additional or alternate copyrights, licenses, and/or restrictions:

Program	Directory
-----	-----
Google Test	llvm/Utils/unittest/googletest
OpenBSD regex	llvm/lib/Support/{reg*, COPYRIGHT.regex}

```
pyyaml tests    llvm/test/YAMLParse/{*.data, LICENSE.TXT}
ARM contributions  llvm/lib/Target/ARM/LICENSE.TXT
md5 contributions  llvm/lib/Support/MD5.cpp llvm/include/llvm/Support/MD5.h
```

```
>>>regex
$OpenBSD: COPYRIGHT,v 1.3 2003/06/02 20:18:36 millert Exp $
```

Copyright 1992, 1993, 1994 Henry Spencer. All rights reserved.
This software is not subject to any license of the American Telephone
and Telegraph Company or of the Regents of the University of California.

Permission is granted to anyone to use this software for any purpose on
any computer system, and to alter it and redistribute it, subject
to the following restrictions:

1. The author is not responsible for the consequences of use of this
software, no matter how awful, even if they arise from flaws in it.
2. The origin of this software must not be misrepresented, either by
explicit claim or by omission. Since few users ever read sources,
credits must appear in the documentation.
3. Altered versions must be plainly marked as such, and must not be
misrepresented as being the original software. Since few users
ever read sources, credits must appear in the documentation.
4. This notice may not be removed or altered.

=====

```
/*_
 * Copyright (c) 1994
 *      The Regents of the University of California. All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * 1. Redistributions of source code must retain the above copyright
 * notice, this list of conditions and the following disclaimer.
 * 2. Redistributions in binary form must reproduce the above copyright
 * notice, this list of conditions and the following disclaimer in the
 * documentation and/or other materials provided with the distribution.
 * 3. Neither the name of the University nor the names of its contributors
 * may be used to endorse or promote products derived from this software
 * without specific prior written permission.
 *
 * THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND
 * ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
 * IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
 * ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
 * FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
 * DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
 * OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
 * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
 * LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
 * OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
 * SUCH DAMAGE.
 *
```

* @(#)COPYRIGHT 8.1 (Berkeley) 3/16/94
*/

```
>>>> gmock
/ Copyright 2007, Google Inc.
// All rights reserved.
//
// Redistribution and use in source and binary forms, with or without
// modification, are permitted provided that the following conditions are
// met:
//
// * Redistributions of source code must retain the above copyright
// notice, this list of conditions and the following disclaimer.
// * Redistributions in binary form must reproduce the above
// copyright notice, this list of conditions and the following disclaimer
// in the documentation and/or other materials provided with the
// distribution.
// * Neither the name of Google Inc. nor the names of its
// contributors may be used to endorse or promote products derived from
// this software without specific prior written permission.
//
// THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
// "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
// LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR
// A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT
// OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
// SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
// LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
// DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
// THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
// (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
// OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
//
// Author: wan@google.com (Zhanyong Wan)

// Google Mock - a framework for writing C++ mock classes.
```

```
>>>> googletest
Copyright 2008, Google Inc.
All rights reserved.
```

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are
met:

- * Redistributions of source code must retain the above copyright
notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above
copyright notice, this list of conditions and the following disclaimer
in the documentation and/or other materials provided with the
distribution.
- * Neither the name of Google Inc. nor the names of its
contributors may be used to endorse or promote products derived from
this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR

A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

>>>> benchmark

Apache License
Version 2.0, January 2004
<http://www.apache.org/licenses/>

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

- (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and
- (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
- (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor

has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

```
>>>> md5.h, md5.cpp
```

```
/* -*- C++ -*-
```

```
* This code is derived from (original license follows):
```

```
*
```

```
* This is an OpenSSL-compatible implementation of the RSA Data Security, Inc.
```

```
* MD5 Message-Digest Algorithm (RFC 1321).
```

```
*
```

```
* Homepage:
```

```
* http://openwall.info/wiki/people/solar/software/public-domain-source-code/md5
```

```
*
```

```
* Author:
```

```
* Alexander Peslyak, better known as Solar Designer <solar at openwall.com>
```

```
*
```

```
* This software was written by Alexander Peslyak in 2001. No copyright is
```

```
* claimed, and the software is hereby placed in the public domain.
```

```
* In case this attempt to disclaim copyright and place the software in the
```

```
* public domain is deemed null and void, then the software is
```

```
* Copyright (c) 2001 Alexander Peslyak and it is hereby released to the
```

```
* general public under the following terms:
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted.
*
* There's ABSOLUTELY NO WARRANTY, express or implied.
*
* See md5.c for more information.
*/
```

```
# This file is free software; you can redistribute it and/or modify it
# under the terms of the GNU General Public License as published by
# the Free Software Foundation; either version 2 of the License, or
# (at your option) any later version.
#
# This program is distributed in the hope that it will be useful, but
# WITHOUT ANY WARRANTY; without even the implied warranty of
# MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
# General Public License for more details.
#
# You should have received a copy of the GNU General Public License
# along with this program; if not, write to the Free Software
# Foundation, Inc., 51 Franklin Street - Fifth Floor, Boston, MA
# 02110-1301, USA.
#
# As a special exception to the GNU General Public License, if you
# distribute this file as part of a program that contains a
# configuration script generated by Autoconf, you may include it under
# the same distribution terms that you use for the rest of that program.
```

```
llvm version 9.0.1
<<<<<<<xilinx-separator>>>>>>>
```

=====

The LLVM Project is under the Apache License v2.0 with LLVM Exceptions:

The text of the Apache License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

---- LLVM Exceptions to the Apache 2.0 License ----

As an exception, if, as a result of your compiling your source code, portions of this Software are embedded into an Object form of such source code, you may redistribute such embedded portions in such Object form without complying with the conditions of Sections 4(a), 4(b) and 4(d) of the License.

In addition, if you combine or link compiled forms of this Software with software that is licensed under the GPLv2 ("Combined Software") and if a court of competent jurisdiction determines that the patent provision (Section 3), the indemnity provision (Section 9) or other Section of the License conflicts with the conditions of the GPLv2, you may retroactively and prospectively choose to deem waived or otherwise exclude such Section(s) of the License, but only in their entirety and only with respect to the Combined Software.

=====

Software from third parties included in the LLVM Project:

=====

The LLVM Project contains third party software which is under different license terms. All such code will be identified clearly using at least one of two mechanisms:

- 1) It will be in a separate directory tree with its own `LICENSE.txt` or `LICENSE` file at the top containing the specific license and restrictions which apply to that software, or
- 2) It will contain specific license and restriction terms at the top of every file.

=====

Legacy LLVM License (<https://llvm.org/docs/DeveloperPolicy.html#legacy>):

=====

University of Illinois/NCSA
Open Source License

Copyright (c) 2007-2019 University of Illinois at Urbana-Champaign.
All rights reserved.

Developed by:

LLVM Team

University of Illinois at Urbana-Champaign

<http://llvm.org>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal with the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimers.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimers in the documentation and/or other materials provided with the distribution.
- * Neither the names of the LLVM Team, University of Illinois at Urbana-Champaign, nor the names of its contributors may be used to endorse or promote products derived from this Software without specific prior written permission.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE CONTRIBUTORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS WITH THE SOFTWARE.

>>>>

LLVM System Interface Library

The LLVM System Interface Library is licensed under the Illinois Open Source License and has the following additional copyright:

Copyright (C) 2004 eXtensible Systems, Inc.
>>>> Google
Copyright 2008, Google Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

>>>>

/*****

```
* Copyright 2019-2020 Xilinx, Inc.
*
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
*
* http://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*****/
```

```
>>> $OpenBSD: COPYRIGHT,v 1.3 2003/06/02 20:18:36 millert Exp $
```

Copyright 1992, 1993, 1994 Henry Spencer. All rights reserved.
This software is not subject to any license of the American Telephone
and Telegraph Company or of the Regents of the University of California.

Permission is granted to anyone to use this software for any purpose on
any computer system, and to alter it and redistribute it, subject
to the following restrictions:

1. The author is not responsible for the consequences of use of this
software, no matter how awful, even if they arise from flaws in it.
2. The origin of this software must not be misrepresented, either by
explicit claim or by omission. Since few users ever read sources,
credits must appear in the documentation.
3. Altered versions must be plainly marked as such, and must not be
misrepresented as being the original software. Since few users
ever read sources, credits must appear in the documentation.
4. This notice may not be removed or altered.

```
=====
```

```
/*_
* Copyright (c) 1994
* The Regents of the University of California. All rights reserved.
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions and the following disclaimer in the
* documentation and/or other materials provided with the distribution.
* 3. Neither the name of the University nor the names of its contributors
* may be used to endorse or promote products derived from this software
* without specific prior written permission.
*
* THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND
* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
```

Copyright 2008-2010 Apple Inc
Copyright 2016 Ismael Jimenez Martinez
Copyright 1992-1994 Henry Spencer
Copyright 2012-2016 Yann Collet
Copyright 1992-1994 The Regents of the University of California
Copyright 2006 Dean Edwards License
Copyright 2001-2004 Unicode Inc
Copyright 1992-2011 Free Software Foundation Inc
Copyright 2003, 2005-2009, 2013, 2015, 2017-2018 Google Inc
Copyright 2017 Roman Lebedev
Copyright 2001 Alexander Peslyak and it is hereby released to the general public
Copyright Microsoft Corporation

```
llvm-mirror-clang version 14.0.0
<<<<<<<xilinx-separator>>>>>>>
```

>>> Apache License v2.0 with LLVM Exceptions
The text of the Apache License Version 2.0, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

=====

The LLVM Project is under the Apache License v2.0 with LLVM Exceptions:

=====

--- LLVM Exceptions to the Apache 2.0 License ---

As an exception, if, as a result of your compiling your source code, portions of this Software are embedded into an Object form of such source code, you may redistribute such embedded portions in such Object form without complying with the conditions of Sections 4(a), 4(b) and 4(d) of the License.

In addition, if you combine or link compiled forms of this Software with software that is licensed under the GPLv2 ("Combined Software") and if a court of competent jurisdiction determines that the patent provision (Section 3), the indemnity provision (Section 9) or other Section of the License conflicts with the conditions of the GPLv2, you may retroactively and prospectively choose to deem waived or otherwise exclude such Section(s) of the License, but only in their entirety and only with respect to the Combined Software.

=====

Software from third parties included in the LLVM Project:

=====

The LLVM Project contains third party software which is under different license terms. All such code will be identified clearly using at least one of two mechanisms:

- 1) It will be in a separate directory tree with its own `LICENSE.txt` or `LICENSE` file at the top containing the specific license and restrictions which apply to that software, or
- 2) It will contain specific license and restriction terms at the top of every file.

=====

Legacy LLVM License (<https://llvm.org/docs/DeveloperPolicy.html#legacy>):

=====

The compiler_rt library is dual licensed under both the University of Illinois "BSD-Like" license and the MIT license. As a user of this code you may choose to use it under either license. As a contributor, you agree to allow your code to be used under both.

Full text of the relevant licenses is included below.

=====

University of Illinois/NCSA
Open Source License

Copyright (c) 2009-2019 by the contributors listed in CREDITS.TXT

All rights reserved.

Developed by:

LLVM Team

University of Illinois at Urbana-Champaign

<http://llvm.org>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal with the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimers.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimers in the documentation and/or other materials provided with the distribution.
- * Neither the names of the LLVM Team, University of Illinois at Urbana-Champaign, nor the names of its contributors may be used to endorse or promote products derived from this Software without specific prior written permission.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE CONTRIBUTORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS WITH THE SOFTWARE.

=====

Copyright (c) 2009-2015 by the contributors listed in CREDITS.TXT

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

>>>>

- * This is an OpenSSL-compatible implementation of the RSA Data Security, Inc.
- * MD5 Message-Digest Algorithm (RFC 1321).
- *
- * Homepage:
- * <http://openwall.info/wiki/people/solar/software/public-domain-source-code/md5>
- *
- * Author:
- * Alexander Peslyak, better known as Solar Designer <solar at openwall.com>
- *
- * This software was written by Alexander Peslyak in 2001. No copyright is
- * claimed, and the software is hereby placed in the public domain.
- * In case this attempt to disclaim copyright and place the software in the
- * public domain is deemed null and void, then the software is
- * Copyright (c) 2001 Alexander Peslyak and it is hereby released to the
- * general public under the following terms:
- *
- * Redistribution and use in source and binary forms, with or without
- * modification, are permitted.
- *
- * There's ABSOLUTELY NO WARRANTY, express or implied.

>>>>

- * Copyright (c) 1999-2007 Apple Inc. All rights reserved.
- *
- * @APPLE_LICENSE_HEADER_START@
- *

[Public]

```
* This file contains Original Code and/or Modifications of Original Code
* as defined in and that are subject to the Apple Public Source License
* Version 2.0 (the 'License'). You may not use this file except in
* compliance with the License. Please obtain a copy of the License at
* http://www.opensource.apple.com/apsl/ and read it before using this
* file.
*
* The Original Code and all software distributed under the License are
* distributed on an 'AS IS' basis, WITHOUT WARRANTY OF ANY KIND, EITHER
* EXPRESS OR IMPLIED, AND APPLE HEREBY DISCLAIMS ALL SUCH WARRANTIES,
* INCLUDING WITHOUT LIMITATION, ANY WARRANTIES OF MERCHANTABILITY,
* FITNESS FOR A PARTICULAR PURPOSE, QUIET ENJOYMENT OR NON-INFRINGEMENT.
* Please see the License for the specific language governing rights and
* limitations under the License.
*
* @APPLE_LICENSE_HEADER_END@
```

>>>>

Copyright (C) 2012-2016, Yann Collet.

BSD 2-Clause License (<http://www.opensource.org/licenses/bsd-license.php>)

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are
met:

- * Redistributions of source code must retain the above copyright
notice, this list of conditions and the following disclaimer.

- * Redistributions in binary form must reproduce the above
copyright notice, this list of conditions and the following disclaimer
in the documentation and/or other materials provided with the
distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR
A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT
OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

>>>>

Copyright (c) 2013-2014, Pexpect development team
Copyright (c) 2012, Noah Spurrier <noah@noah.org>

PERMISSION TO USE, COPY, MODIFY, AND/OR DISTRIBUTE THIS SOFTWARE FOR ANY PURPOSE
WITH OR WITHOUT FEE IS HEREBY GRANTED, PROVIDED THAT THE ABOVE COPYRIGHT NOTICE
AND THIS PERMISSION NOTICE APPEAR IN ALL COPIES.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE
INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT
SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL

DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Copyright 2016 Ismael Jimenez Martinez
Copyright 2013 Jesse Towner <jessetowner@lavabit.com>
Copyright 2012 define XSTR
Copyright 2007-2020 the Sphinx team
Copyright 1997-2019 Intel Corp
Copyright 1992-1994 The Regents of the University of California
Copyright 1992-2017 Free Software Foundation Inc
Copyright 2016 Aaron Watry
Copyright 2010-2011 INRIA Saclay
Copyright 2002-2009, 2018 Michael J. Fromberger
Copyright (c) 2009-2019 Polly Team All rights reserved.
Copyright (c) 1992 1993 UNIX International Inc.
Copyright 2012, 2020 Qualcomm Innovation Center Inc
Copyright 2010-2015 Benjamin Peterson
Copyright 2005-2008, 2013, 2015, 2017-2018, 2020-2021 Google Inc
Copyright (c) 2019 NVIDIA CORPORATION. All rights reserved.
Copyright (C) 2006 Matus Horvath. Permission has been granted to use modify and redistribute this file according to the terms of the IMath license.
Copyright 2017 Roman Lebedev
Copyright 2014-2015 Advanced Micro Devices Inc
Copyright Microsoft Corporation. All rights reserved.
Copyright 2012-2016 Yann Collet
Copyright 1999-2010 Apple Inc
Copyright 2018 Microsoft Corporation
Copyright 2016 Aaron Watry <awatry@gmail.com>
Copyright 2012 Noah Spurrier <noah@noah.org>
Copyright 2010 Zencoder Inc.
Copyright (c) 1997 Phillip F Knaack. All rights reserved. . .
Copyright (c) 2005 Free Standards Group and
Copyright (C) 2019 The MLIR Authors.
Copyright 2005-2007, 2012 Universiteit Leiden
Copyright (c) 2003-2010 Python Software Foundation This module is free software and you may redistribute it and or modify it under the same terms as Python itself so long as this
Copyright 2011, 2015-2018, 2021 Sven Verdoolaege
Copyright 2006-2009 Steven J. Bethard <steven.bethard@gmail.com>.
Copyright 2000 Free Software Foundation Inc. GDB is free software covered by the GNU General Public License and you are welcome to change it and or distribute copies of it under certain conditions.
Copyright 2018 Ulf Adams
Copyright (c) 1998 Todd C. Miller <Todd.Miller@courtesan.com>
Copyright 2013 Victor Oliveira <victormatheus@gmail.com>
Copyright 2009-2019 the contributors listed in CREDITS.TXT
Copyright 2012-2014 Ecole Normale Supérieure
Copyright 1993 Sun Microsystems Inc
Copyright 4031 Microsoft Corp
Copyright 2008-2009 Katholieke Universiteit Leuven
Copyright 2001-2004 Unicode Inc
Copyright 2012, 2015 INRIA Paris-Rocquencourt
Copyright 1992-1994 Henry Spencer
Copyright 2002-2004 Tim J. Robbins
2018 Jim Ingham. All rights reserved.
Copyright 2016-2017 Tobias Grosser
Copyright 2006 Dean Edwards License

Copyright 2018-2021 Cerebras Systems
Copyright 2006 Kirill Simonov
Copyright 2013-2016 Pexpect development team
Copyright (c) 1999-2003 Steve Purcell
Copyright 2001 Alexander Peslyak and it is hereby released to the general public
Copyright 2016 INRIA Paris
Copyright 2014-2015 INRIA Rocquencourt

```
* Logback: the reliable, generic, fast and flexible logging framework.
* Copyright (C) 1999-2015, QOS.ch. All rights reserved.
*
* This program and the accompanying materials are dual-licensed under
* either the terms of the Eclipse Public License v1.0 as published by
* the Eclipse Foundation
*
* or (per the licensee's choosing)
*
* under the terms of the GNU Lesser General Public License version 2.1
* as published by the Free Software Foundation.
```

```
license
name      Eclipse Public License - v 1.0
url       http://www.eclipse.org/legal/epl-v10.html

license
name      GNU Lesser General Public License
url       http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html
```

```
* Logback: the reliable, generic, fast and flexible logging framework.
* Copyright (C) 1999-2015, QOS.ch. All rights reserved.
*
* This program and the accompanying materials are dual-licensed under
* either the terms of the Eclipse Public License v1.0 as published by
* the Eclipse Foundation
*
* or (per the licensee's choosing)
*
```

* under the terms of the GNU Lesser General Public License version 2.1
* as published by the Free Software Foundation.

The text of the MIT license, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

```
# *
# * SPDX-License-Identifier: BSD-3-Clause
# */
```

Copyright 2022 AMD Inc
Copyright 2019-2021 Xilinx Inc
Copyright 2022-2023 Advanced Micro Devices Inc

Author: Ryan Ginstrom

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

BSD 3-Clause License

markdown version 3.8.2

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

```
markdown-it-mdurl version 0.1.2
<<<<<<<xilinx-separator>>>>>>>>
```

Copyright (c) 2015 Vitaly Puzrin, Alex Kocharin.
Copyright (c) 2021 Taneli Hukkinen

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR

Copyright Joyent, Inc. and other Node contributors. All rights reserved.
Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Parisa: Adding copyrights

```
This is pvar = ["/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/mdurl-0.1.2.dist-info/LICENSE",
"/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/mdurl-0.1.2.dist-info/INSTALLER", "/apps/flexera/scanroot/vivado-
extras/cs_server_stuff/3rd_party/mdurl-0.1.2.dist-info/METADATA", "/apps/flexera/scanroot/vivado-
extras/cs_server_stuff/3rd_party/mdurl-0.1.2.dist-info/WHEEL", "/apps/flexera/scanroot/vivado-
extras/cs_server_stuff/3rd_party/mdurl-0.1.2.dist-info/RECORD"]
```

Copyright (c) 2021 Taneli Hukkinen

Copyright 2015 Vitaly Puzrin Alex Kocharin

```
markupsafe version 3.0.2
<<<<<<<xilinx-separator>>>>>>>>
```

Copyright 2010 Pallets
Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are
met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,


```
<<<<<<<<xilinx-separator>>>>>>>>
```

1. This LICENSE AGREEMENT is between the Matplotlib Development Team ("MDT"), and the Individual or Organization ("Licensee") accessing and otherwise using matplotlib software in source or binary form and its associated documentation.

2. Subject to the terms and conditions of this License Agreement, MDT hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use matplotlib alone or in any derivative version, provided, however, that MDT's License Agreement and MDT's notice of copyright, i.e., "Copyright (c) 2012- Matplotlib Development Team; All Rights Reserved" are retained in matplotlib alone or in any derivative version prepared by Licensee.

3. In the event Licensee prepares a derivative work that is based on or incorporates matplotlib or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to matplotlib .

4. MDT is making matplotlib available to Licensee on an "AS IS" basis. MDT MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, MDT MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF MATPLOTLIB WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

5. MDT SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF MATPLOTLIB FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING MATPLOTLIB , OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

7. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between MDT and Licensee. This License Agreement does not grant permission to use MDT trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By copying, installing or otherwise using matplotlib , Licensee agrees to be bound by the terms and conditions of this License Agreement.

License agreement for matplotlib versions prior to 1.3.0

=====

1. This LICENSE AGREEMENT is between John D. Hunter ("JDH"), and the Individual or Organization ("Licensee") accessing and otherwise using matplotlib software in source or binary form and its associated documentation.

2. Subject to the terms and conditions of this License Agreement, JDH hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use matplotlib alone or in any derivative version, provided, however, that JDH's License Agreement and JDH's notice of copyright, i.e., "Copyright (c) 2002-2011 John D. Hunter; All Rights Reserved" are retained in matplotlib alone or in any derivative version prepared by Licensee.

3. In the event Licensee prepares a derivative work that is based on or incorporates matplotlib or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to matplotlib.

4. JDH is making matplotlib available to Licensee on an "AS IS" basis. JDH MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, JDH MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF MATPLOTLIB WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

5. JDH SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF MATPLOTLIB FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING MATPLOTLIB , OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

7. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between JDH and Licensee. This License Agreement does not grant permission to use JDH trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By copying, installing or otherwise using matplotlib, Licensee agrees to be bound by the terms and conditions of this License

Copyright (c) 2019,
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 2019 All rights reserved.

```
matplotlib-inline version 0.1.3
<<<<<<<xilinx-separator>>>>>>>
```

BSD 3-Clause License

Copyright (c) 2019,
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 2019 All rights reserved.

```
matplotlib-inline version 0.1.7
<<<<<<<xilinx-separator>>>>>>>
```

BSD 3-Clause License

Copyright (c) 2019,
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 2019 All rights reserved.

miglayout version 3.7.3.1

```
<<<<<<<xilinx-separator>>>>>>>>
```

* Copyright (c) 2004, Mikael Grev, MiG InfoCom AB. (miglayout (at) miginfocom (dot) com)

* All rights reserved.

*

* Redistribution and use in source and binary forms, with or without modification,

* are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list

* of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this

* list of conditions and the following disclaimer in the documentation and/or other

* materials provided with the distribution.

* Neither the name of the MiG InfoCom AB nor the names of its contributors may be

* used to endorse or promote products derived from this software without specific

* prior written permission.

*

* THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND

* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED

* WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.

* IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT,

* INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING,

* BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA,

* OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY,

* WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)

* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY

* OF SUCH DAMAGE.

mingw-w64 version 4.9.1

```
<<<<<<<xilinx-separator>>>>>>>>
```

With exception of certain parts that are prominently marked as being in the Public Domain, BSD, or LGPL this Software is provided under the Zope Public License (ZPL) Version 2.1.

Copyright (c) 2009, 2010 by the mingw-w64 project

See the AUTHORS file for the list of contributors to the mingw-w64 project.

This license has been certified as open source. It has also been designated as GPL compatible by the Free Software Foundation (FSF).

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions in source code must retain the accompanying copyright notice, this list of conditions, and the following disclaimer.
2. Redistributions in binary form must reproduce the accompanying copyright notice, this list of conditions, and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Names of the copyright holders must not be used to endorse or promote products derived from this software without prior written permission from the copyright holders.
4. The right to distribute this software or to use it for any purpose does not give you the right to use Servicemarks (sm) or Trademarks (tm) of the copyright holders. Use of them is covered by separate agreement with the copyright holders.
5. If any files are modified, you must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

Disclaimer

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS ``AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright 1998-2000 Thai Open Source Software Center Ltd and Clark Cooper

Copyright (c) 2000 The NetBSD Foundation Inc. All rights reserved.

Copyright 1993 Sun Microsystems Inc

Copyright 2009-2011 mingw-

Copyright 1998 1999 2000 2001 2002 Red Hat Inc. License GNU GPLv2

Copyright 1996-2012 Anthony Green Red Hat Inc and others

Copyright (c) 1998-2004 2006 Free Software Foundation Inc. -- -- -- -- Permission is hereby granted free of charge to any person obtaining

Copyright 2001-2006 Expat maintainers

Copyright 2009-2010 the mingw-

Copyright 1989, 1991, 1999, 2004-2005, 2007, 2009, 2013-2014 Free Software Foundation Inc

Copyright (c) 2004-2008 KJK Hyperion

Copyright 1998-2000 Thai Open Source Software Center Ltd

Copyright 2010 Lockless Inc

Copyright 1996 treaty adopted on

Copyright 2004-2005 David M. Gay

Copyright (c) 2002 Todd C. Miller <Todd.Miller@courtesan.com>

Copyright 1997-2001 Lucent Technologies

Copyright 1995-2013 Jean-loup Gailly and Mark Adler
Copyright 1996-2010 Julian R Seward
Copyright (c) 1982 1983 1986 1992 1993 The Regents of the University of California. All rights reserved.
Copyright (C) 1984-1998 Stephen L. Moshier

Copyright 1991, 1999 Free Software Foundation Inc
Copyright 2003-2004 Robert Reif

Vivado ML Lab Solutions Third Party Licensing Guide 2025.10.24 470

[Public]

* The mingw-w64 runtime package and its code is distributed in the hope that it
* will be useful but WITHOUT ANY WARRANTY. ALL WARRANTIES, EXPRESSED OR
* IMPLIED ARE HEREBY DISCLAIMED. This includes but is not limited to
* warranties of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
*/

>>> MD5.h

* This code is derived from (original license follows):
*
* This is an OpenSSL-compatible implementation of the RSA Data Security, Inc.
* MD5 Message-Digest Algorithm (RFC 1321).
*
* Homepage:
* <http://openwall.info/wiki/people/solar/software/public-domain-source-code/md5>
*
* Author:
* Alexander Peslyak, better known as Solar Designer <solar at openwall.com>
*
* This software was written by Alexander Peslyak in 2001. No copyright is
* claimed, and the software is hereby placed in the public domain.
* In case this attempt to disclaim copyright and place the software in the
* public domain is deemed null and void, then the software is
* Copyright (c) 2001 Alexander Peslyak and it is hereby released to the
* general public under the following terms:
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted.
*
* There's ABSOLUTELY NO WARRANTY, express or implied.
*
* See md5.c for more information.
*/

>>>

// Functor implementations -*- C++ -*-

// Copyright (C) 2001-2019 Free Software Foundation, Inc.

//

// This file is part of the GNU ISO C++ Library. This library is free
// software; you can redistribute it and/or modify it under the
// terms of the GNU General Public License as published by the
// Free Software Foundation; either version 3, or (at your option)
// any later version.

// This library is distributed in the hope that it will be useful,
// but WITHOUT ANY WARRANTY; without even the implied warranty of
// MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
// GNU General Public License for more details.

// Under Section 7 of GPL version 3, you are granted additional
// permissions described in the GCC Runtime Library Exception, version
// 3.1, as published by the Free Software Foundation.

// You should have received a copy of the GNU General Public License and
// a copy of the GCC Runtime Library Exception along with this program;
// see the files COPYING3 and COPYING.RUNTIME respectively. If not, see
// <<http://www.gnu.org/licenses/>>.

```
/*
 *
 * Copyright (c) 1994
 * Hewlett-Packard Company
 *
 * Permission to use, copy, modify, distribute and sell this software
 * and its documentation for any purpose is hereby granted without fee,
 * provided that the above copyright notice appear in all copies and
 * that both that copyright notice and this permission notice appear
 * in supporting documentation. Hewlett-Packard Company makes no
 * representations about the suitability of this software for any
 * purpose. It is provided "as is" without express or implied warranty.
 *
 *
 * Copyright (c) 1996-1998
 * Silicon Graphics Computer Systems, Inc.
 *
 * Permission to use, copy, modify, distribute and sell this software
 * and its documentation for any purpose is hereby granted without fee,
 * provided that the above copyright notice appear in all copies and
 * that both that copyright notice and this permission notice appear
 * in supporting documentation. Silicon Graphics makes no
 * representations about the suitability of this software for any
 * purpose. It is provided "as is" without express or implied warranty.
 */

/** @file backward/binders.h
 * This is an internal header file, included by other library headers.
 * Do not attempt to use it directly. @headername{functional}
 */

>>>> LGPL
 *
 * This library is free software; you can redistribute it and/or
 * modify it under the terms of the GNU Lesser General Public
 * License as published by the Free Software Foundation; either
 * version 2.1 of the License, or (at your option) any later version.
 *
 * This library is distributed in the hope that it will be useful,
 * but WITHOUT ANY WARRANTY; without even the implied warranty of
 * MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
 * Lesser General Public License for more details.
 *
 * You should have received a copy of the GNU Lesser General Public
 * License along with this library; if not, write to the Free Software
 * Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
 */

>>>
 * Copyright (C) 2002-2007 Peter Johnson
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * - Redistributions of source code must retain the above copyright
 * notice, this list of conditions and the following disclaimer.
 * - Redistributions in binary form must reproduce the above copyright
 * notice, this list of conditions and the following disclaimer in the
```

* documentation and/or other materials provided with the distribution.
*
* THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND OTHER CONTRIBUTORS ``AS IS"
* AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR OTHER CONTRIBUTORS BE
* LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
* CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
* SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
* POSSIBILITY OF SUCH DAMAGE.

>>> gcc.info

This is gcc.info, produced by makeinfo version 6.7 from gcc.texi.

Copyright (C) 1988-2019 Free Software Foundation, Inc.

Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with the Invariant Sections being "Funding Free Software", the Front-Cover Texts being (a) (see below), and with the Back-Cover Texts being (b) (see below). A copy of the license is included in the section entitled "GNU Free Documentation License".

(a) The FSF's Front-Cover Text is:

A GNU Manual

(b) The FSF's Back-Cover Text is:

You have freedom to copy and modify this GNU Manual, like GNU software.

Copies published by the Free Software Foundation raise funds for GNU development.

INFO-DIR-SECTION Software development

START-INFO-DIR-ENTRY

* gcc: (gcc). The GNU Compiler Collection.
* g++: (gcc). The GNU C++ compiler.
* gcov: (gcc) Gcov. 'gcov'--a test coverage program.
* gcov-tool: (gcc) Gcov-tool. 'gcov-tool'--an offline gcda profile processing program.
* gcov-dump: (gcc) Gcov-dump. 'gcov-dump'--an offline gcda and gcno profile dump tool.

END-INFO-DIR-ENTRY

This file documents the use of the GNU compilers.

Copyright (C) 1988-2019 Free Software Foundation, Inc.

Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with the Invariant Sections being "Funding Free Software", the Front-Cover Texts being (a) (see below), and with the Back-Cover Texts being (b) (see below). A copy of the license is included in the section entitled "GNU Free Documentation License".

(a) The FSF's Front-Cover Text is:

A GNU Manual

(b) The FSF's Back-Cover Text is:

You have freedom to copy and modify this GNU Manual, like GNU software. Copies published by the Free Software Foundation raise funds for GNU development.

>>> as.info

This file documents the GNU Assembler "as".

Copyright (C) 1991-2020 Free Software Foundation, Inc.

Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, with no Front-Cover Texts, and with no Back-Cover Texts. A copy of the license is included in the section entitled "GNU Free Documentation License".

>>> gccinstall.info

Copyright (C) 1988-2019 Free Software Foundation, Inc.

Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, the Front-Cover texts being (a) (see below), and with the Back-Cover Texts being (b) (see below). A copy of the license is included in the section entitled "GNU Free Documentation License".

(a) The FSF's Front-Cover Text is:

A GNU Manual

(b) The FSF's Back-Cover Text is:

You have freedom to copy and modify this GNU Manual, like GNU software. Copies published by the Free Software Foundation raise funds for GNU development.

INFO-DIR-SECTION Software development

START-INFO-DIR-ENTRY

* gccinstall: (gccinstall). Installing the GNU Compiler Collection.

END-INFO-DIR-ENTRY

Copyright (C) 1988-2019 Free Software Foundation, Inc.

Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, the Front-Cover texts being (a) (see below), and with the Back-Cover Texts being (b) (see below). A copy of the license is included in the section entitled "GNU Free Documentation License".

(a) The FSF's Front-Cover Text is:

A GNU Manual

(b) The FSF's Back-Cover Text is:

You have freedom to copy and modify this GNU Manual, like GNU software. Copies published by the Free Software Foundation raise funds for GNU development.

>>> gdc.info

Copyright (C) 2006-2019 Free Software Foundation, Inc.

Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled "GNU Free Documentation License".

INFO-DIR-SECTION Software development

START-INFO-DIR-ENTRY

* gdc: (gdc). A GCC-based compiler for the D language

END-INFO-DIR-ENTRY

Copyright (C) 2006-2019 Free Software Foundation, Inc.

Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled "GNU Free Documentation License".

>>> gfortran.info

Copyright (C) 1999-2019 Free Software Foundation, Inc.

Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with the Invariant Sections being "Funding Free Software", the Front-Cover Texts being (a) (see below), and with the Back-Cover Texts being (b) (see below). A copy of the license is included in the section entitled "GNU Free Documentation License".

(a) The FSF's Front-Cover Text is:

A GNU Manual

(b) The FSF's Back-Cover Text is:

You have freedom to copy and modify this GNU Manual, like GNU software. Copies published by the Free Software Foundation raise funds for GNU development.

INFO-DIR-SECTION Software development

START-INFO-DIR-ENTRY

* gfortran: (gfortran). The GNU Fortran Compiler.

END-INFO-DIR-ENTRY

This file documents the use and the internals of the GNU Fortran compiler, ('gfortran').

Published by the Free Software Foundation 51 Franklin Street, Fifth Floor Boston, MA 02110-1301 USA

Copyright (C) 1999-2019 Free Software Foundation, Inc.

Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with the Invariant Sections being "Funding Free Software", the Front-Cover Texts being (a) (see below), and with the Back-Cover Texts being (b) (see below). A copy of the license is included in the section entitled "GNU Free Documentation License".

(a) The FSF's Front-Cover Text is:

A GNU Manual

(b) The FSF's Back-Cover Text is:

You have freedom to copy and modify this GNU Manual, like GNU software. Copies published by the Free Software Foundation raise funds for GNU development.

>>> ld.info

Copyright (C) 1991-2020 Free Software Foundation, Inc.

Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, with no Front-Cover Texts, and with no Back-Cover Texts. A copy of the license is included in the section entitled "GNU Free Documentation License".

>>>make.info-1

This file documents the GNU 'make' utility, which determines automatically which pieces of a large program need to be recompiled, and issues the commands to recompile them.

This is Edition 0.75, last updated 19 January 2020, of 'The GNU Make Manual', for GNU 'make' version 4.3.

Copyright (C) 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020 Free Software Foundation, Inc.

Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, with the Front-Cover Texts being "A GNU Manual," and with the Back-Cover Texts as in (a) below. A copy of the license is included in the section entitled "GNU Free Documentation License."

(a) The FSF's Back-Cover Text is: "You have the freedom to copy and modify this GNU manual. Buying copies from the FSF supports it in developing GNU and promoting software freedom."

>>> libiberty

Copyright (C) 2000-2019 Free Software Foundation, Inc.
Contributed by Zack Weinberg <zackw@stanford.edu>.

This file is part of the libiberty library.

Libiberty is free software; you can redistribute it and/or
modify it under the terms of the GNU Library General Public
License as published by the Free Software Foundation; either
version 2 of the License, or (at your option) any later version.

Libiberty is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Library General Public License for more details.

You should have received a copy of the GNU Library General Public
License along with libiberty; see the file COPYING.LIB. If
not, write to the Free Software Foundation, Inc., 51 Franklin Street - Fifth Floor,
Boston, MA 02110-1301, USA. */

>>> libquadmath

/* GCC Quad-Precision Math Library
Copyright (C) 2010-2019 Free Software Foundation, Inc.
Written by Francois-Xavier Coudert <fxcoudert@gcc.gnu.org>

This file is part of the libquadmath library.

Libquadmath is free software; you can redistribute it and/or
modify it under the terms of the GNU Library General Public
License as published by the Free Software Foundation; either
version 2 of the License, or (at your option) any later version.

Libquadmath is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Library General Public License for more details.

You should have received a copy of the GNU Library General Public
License along with libquadmath; see the file COPYING.LIB. If
not, write to the Free Software Foundation, Inc., 51 Franklin Street - Fifth Floor,
Boston, MA 02110-1301, USA. */

>>>> bitvect.h

```
/*
/* AUTHOR:
/*
/*
/* Steffen Beyer
/* mailto:sb@engelschall.com
/* http://www.engelschall.com/u/sb/download/
/*
/* COPYRIGHT:
/*
/* Copyright (c) 1995 - 2004 by Steffen Beyer.
```



```

/* All rights reserved.                */
/*                                     */
/*****/
/* LICENSE:                            */
/*****/
/* This package is free software; you can use, modify and redistribute */
/* it under the same terms as Perl itself, i.e., under the terms of */
/* the "Artistic License" or the "GNU General Public License". */
/*                                     */
/* The C library at the core of this Perl module can additionally */
/* be used, modified and redistributed under the terms of the */
/* "GNU Library General Public License". */
/*                                     */
/*****/
/* ARTISTIC LICENSE:                  */
/*****/
/*

```

The "Artistic License"

Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

Definitions:

"Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.

"Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder as specified below.

"Copyright Holder" is whoever is named in the copyright or copyrights for the package.

"You" is you, if you're thinking about copying or distributing this Package.

"Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)

"Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.

1. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.

2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.
3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:
 - a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as uunet.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.
 - b) use the modified Package only within your corporation or organization.
 - c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.
 - d) make other distribution arrangements with the Copyright Holder.
4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:
 - a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.
 - b) accompany the distribution with the machine-readable source of the Package with your modifications.
 - c) give non-standard executables non-standard names, and clearly document the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.
 - d) make other distribution arrangements with the Copyright Holder.
5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own. You may embed this Package's interpreter within an executable of yours (by linking); this shall be construed as a mere form of aggregation, provided that the complete Standard Version of the interpreter is so embedded.
6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whoever generated them, and may be sold commercially, and may be aggregated with this Package. If such scripts or library files are aggregated with this Package via the so-called "undump" or "unexec" methods of producing a

binary executable image, then distribution of such an image shall neither be construed as a distribution of this Package nor shall it fall under the restrictions of Paragraphs 3 and 4, provided that you do not represent such an executable image as a Standard Version of this Package.

7. C subroutines (or comparably compiled subroutines in other languages) supplied by you and linked into this Package in order to emulate subroutines and variables of the language defined by this Package shall not be considered part of this Package, but are the equivalent of input as in Paragraph 6, provided these subroutines do not change the language in any way that would cause it to fail the regression tests for the language.

8. Aggregation of this Package with a commercial distribution is always permitted provided that the use of this Package is embedded; that is, when no overt attempt is made to make this Package's interfaces visible to the end user of the commercial distribution. Such use shall not be construed as a distribution of this Package.

9. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.

10. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End

```

*/
/*****
/*  GNU GENERAL PUBLIC LICENSE:                      */
/*****
/* This program is free software; you can redistribute it and/or      */
/* modify it under the terms of the GNU General Public License        */
/* as published by the Free Software Foundation; either version 2     */
/* of the License, or (at your option) any later version.             */
/*                                                                      */
/* This program is distributed in the hope that it will be useful,     */
/* but WITHOUT ANY WARRANTY; without even the implied warranty of     */
/* MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the      */
/* GNU General Public License for more details.                       */
/*                                                                      */
/* You should have received a copy of the GNU General Public License  */
/* along with this program; if not, write to the                      */
/* Free Software Foundation, Inc.,                                     */
/* 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA.           */
/*                                                                      */
/*****
/*  GNU LIBRARY GENERAL PUBLIC LICENSE:                */
/*****
/* This library is free software; you can redistribute it and/or      */
/* modify it under the terms of the GNU Library General Public        */
/* License as published by the Free Software Foundation; either      */
/* version 2 of the License, or (at your option) any later version.   */
/*                                                                      */
/* This library is distributed in the hope that it will be useful,     */
/* but WITHOUT ANY WARRANTY; without even the implied warranty of     */

```

[Public]

```
/* MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU */
/* Library General Public License for more details. */
/* */
/* You should have received a copy of the GNU Library General Public */
/* License along with this library; if not, write to the */
/* Free Software Foundation, Inc., */
/* 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA */
/* */
/* or download a copy from ftp://ftp.gnu.org/pub/gnu/COPYING.LIB-2.0 */
/* */
/*****/
```

>>> Zope License

With exception of certain parts that are prominently marked as being in the Public Domain, BSD, or LGPL this Software is provided under the Zope Public License (ZPL) Version 2.1.

Copyright (c) 2009, 2010 by the mingw-w64 project

See the AUTHORS file for the list of contributors to the mingw-w64 project.

This license has been certified as open source. It has also been designated as GPL compatible by the Free Software Foundation (FSF).

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions in source code must retain the accompanying copyright notice, this list of conditions, and the following disclaimer.
2. Redistributions in binary form must reproduce the accompanying copyright notice, this list of conditions, and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Names of the copyright holders must not be used to endorse or promote products derived from this software without prior written permission from the copyright holders.
4. The right to distribute this software or to use it for any purpose does not give you the right to use Servicemarks (sm) or Trademarks (tm) of the copyright holders. Use of them is covered by separate agreement with the copyright holders.
5. If any files are modified, you must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

Disclaimer

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS ``AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

>>>

<!-- Copyright (C) 2015-2020 Free Software Foundation, Inc.

Copying and distribution of this file, with or without modification,
are permitted in any medium without royalty provided the copyright
notice and this notice are preserved. This file is offered as-is,
without any warranty. -->

>>>

/* Table of DBX symbol codes for the GNU system.

Copyright (C) 1988-2019 Free Software Foundation, Inc.

This file is part of the GNU C Library.

The GNU C Library is free software; you can redistribute it and/or
modify it under the terms of the GNU Library General Public License as
published by the Free Software Foundation; either version 3 of the
License, or (at your option) any later version.

The GNU C Library is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Library General Public License for more details.

You should have received a copy of the GNU Library General Public
License along with the GNU C Library; see the file COPYING3. If
not see <<http://www.gnu.org/licenses/>>. */

/* This contains contribution from Cygnus Support. */

Copyright 1998 Bernd Johannes Wuebben

Copyright 1999-2019 Free Software Foundation Inc. Contributed by Vladimir Makarov (vmakarov@cygnus.com)

Copyright 2010, 2012-2014 Jacek Caban for CodeWeavers

Copyright 2002-2003 Jason Edmeades

Copyright 2010 Rico Schller

Copyright 1998 Christian Wurl

Copyright 2002-2005 Raphael Junqueira

Copyright 2007 Francois Gouget

Copyright 2008-2009 Maarten Lankhorst

Copyright 2017 Ihsan Akmal

Copyright (C) 2010-2018 Free Software Foundation Inc. Written by Tobias Burnus <burnus@net-b.de>

Copyright 2002-2003 Jason Edmeades Raphael Junqueira

Copyright (c) 1995 - 2004 by Steffen Beyer. All rights reserved.

Copyright 1994 Hewlett-Packard Co

Copyright 2004 Robert Reif

Copyright (C) 2001-2019 Free Software Foundation Inc. Contributed by Bo Thorsen <bo@suse.de>.

Copyright 1998-1999 Greg Colvin and Beman Dawes

Copyright 2009 Andrew Nguyen

Copyright 1994-1995 Benjamin Lin

Copyright 2011 Dylan Smith

Copyright 2007 Shane King

Copyright 2000-2001 Ove Kaaven

Copyright 2004 Vincent Bron

Copyright 1992-1993 The Regents of the University of California

Copyright 2004 Ami Tavory and Vladimir Dreizin IBM-HRL

Copyright 2001-2007 Peter Johnson

Copyright 2001-2003 Peter Dimov and Multi Media Ltd

Copyright 2001-2003 Peter Dimov

Copyright 2007, 2009 David Adam
Copyright 1988-2019 Free Software Foundation Inc
Copyright 2014 Kai Tietz
Copyright 1996-1997 Silicon Graphics
Copyright 2007-2008, 2010 Tony Wasserka
Copyright 2001-2007 Michael Urman Peter Johnson
Copyright 2003 Robert Shearman
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Zack Weinberg <zackw@stanford.edu>
Copyright (C) 1992-2019 Free Software Foundation Inc. Contributed by Ron Guilmette (rfg@monkeys.com)
Copyright (C) 1998-2019 Free Software Foundation Inc. Contributed by Daniel Berlin (dan@cgsoftware.com).
Copyright 2003-2004 Rok Mandeljc
Copyright 1988-2000, 2002-2020 Free
Copyright (C) 2010-2019 Free Software Foundation Inc. Written by Francois-Xavier Coudert <fxcoudert@gcc.gnu.org>
Copyright 2013 Austin English
Copyright 2001-2014 Peter Johnson and other Yasm developers
Copyright 2004, 2010 Christian Costa
Copyright 1996-1999 Silicon Graphics Computer Systems Inc
Copyright 2010 Maarten Lankhorst for CodeWeavers
Copyright (C) 2004-2019 Free Software Foundation Inc. Contributed by Apple Inc.
Copyright 2007, 2010 Vijay Kiran Kamuju
Copyright 2002 Alexandre Julliard
Copyright 2004 Jacek Caban
Copyright 2005-2019 Free Software Foundation Inc. Contributed by Jakub Jelinek <jakub@redhat.com>
Copyright 2008 Luis Busquets
Copyright (C) 2000-2019 Free Software Foundation Inc. Contributed by CodeSourcery LLC.
Copyright 1998-2019 Free Software Foundation Inc. Contributed by Mark Mitchell (mark@markmitchell.com)
Copyright (C) 2018 Free Software Foundation Inc. Contributed by Daniel Celis Garza <celisdanieljr@gmail.com>
Copyright 2011 Piotr Caban for CodeWeavers
Copyright 2009 Henri Verbeet for CodeWeavers
Copyright 2007 Andras Kovacs
Copyright 2006 Dean Edwards License
Copyright 2000 Peter Hunnisett
Copyright 1994 Free Software Foundation Inc. Verbatim copying and redistribution of
Copyright 2005 Oliver Stieber
Copyright 1996 treaty adopted on
Copyright 2001 Alexander Peslyak and it is hereby released to the general public
Copyright 2006 Hans Leidekker
Copyright Microsoft Corporation
Copyright 2010 Matteo Bruni for CodeWeavers

```
mistune version 0.8.4
<<<<<<<xilinx-separator>>>>>>>>
```

Copyright (c) 2014, Hsiaoming Yang

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

copyright (c) 2014 - 2018 by Hsiaoming Yang.

```
mistune version 3.1.2
<<<<<<<xilinx-separator>>>>>>>
```

Copyright (c) 2014, Hsiaoming Yang

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of the creator nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

copyright (c) 2014 - 2018 by Hsiaoming Yang.

```
ml-dtypes version 0.5.3
<<<<<<<xilinx-separator>>>>>>>>
```

The text of the Apache License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s)

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright 2012 Erik Rose

```
more-itertools version 8.7.0
<<<<<<<xilinx-separator>>>>>>>
```

Copyright (c) 2012 Erik Rose

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright 2012 Erik Rose

[Public]

```
# along with this program; if not, write to the Free Software
# Foundation, Inc., 59 Temple Place - Suite 330, Boston, MA
# 02111-1307, USA.
```

```
>>> zlib license
```

```
/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.8, April 28th, 2013
```

Copyright (C) 1995-2013 Jean-loup Gailly and Mark Adler

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

Jean-loup Gailly Mark Adler
jloup@gzip.org madler@alumni.caltech.edu

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://tools.ietf.org/html/rfc1950> (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).

```
*/
```

```
>>> apache license
```

```
"""Class for profiling Python code."""
```

```
# Copyright Disney Enterprises, Inc. All Rights Reserved.
# Licensed to PSF under a Contributor Agreement
#
# Licensed under the Apache License, Version 2.0 (the "License");
# you may not use this file except in compliance with the License.
# You may obtain a copy of the License at
#
# http://www.apache.org/licenses/LICENSE-2.0
#
# Unless required by applicable law or agreed to in writing, software
# distributed under the License is distributed on an "AS IS" BASIS,
# WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND,
# either express or implied. See the License for the specific language
# governing permissions and limitations under the License.
```

```
>>> bsd 3 license
```

```
/*        $NetBSD: profile.h,v 1.6 1995/03/28 18:17:08 jtc Exp $        */
```

```

/*
 * Copyright (c) 1992, 1993
 *   The Regents of the University of California. All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * 1. Redistributions of source code must retain the above copyright
 *   notice, this list of conditions and the following disclaimer.
 * 2. Redistributions in binary form must reproduce the above copyright
 *   notice, this list of conditions and the following disclaimer in the
 *   documentation and/or other materials provided with the distribution.
 * 4. Neither the name of the University nor the names of its contributors
 *   may be used to endorse or promote products derived from this software
 *   without specific prior written permission.
 *
 * THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND
 * ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
 * IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
 * ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
 * FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
 * DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
 * OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
 * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
 * LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
 * OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
 * SUCH DAMAGE.
 *
 *   @(#)profile.h      8.1 (Berkeley) 6/11/93
 */

```

>>> lgpl 2.1 or later

```

/*
 * Copyright 2004 Christian Costa
 *
 * This library is free software; you can redistribute it and/or
 * modify it under the terms of the GNU Lesser General Public
 * License as published by the Free Software Foundation; either
 * version 2.1 of the License, or (at your option) any later version.
 *
 * This library is distributed in the hope that it will be useful,
 * but WITHOUT ANY WARRANTY; without even the implied warranty of
 * MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
 * Lesser General Public License for more details.
 *
 * You should have received a copy of the GNU Lesser General Public
 * License along with this library; if not, write to the Free Software
 * Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301, USA
 */

```

>>> mit license

```

/*===== __wmmmintrin_pclmul.h - PC MUL intrinsics =====
 *
 * Permission is hereby granted, free of charge, to any person obtaining a copy

```

* of this software and associated documentation files (the "Software"), to deal
* in the Software without restriction, including without limitation the rights
* to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
* copies of the Software, and to permit persons to whom the Software is
* furnished to do so, subject to the following conditions:
*
* The above copyright notice and this permission notice shall be included in
* all copies or substantial portions of the Software.
*
* THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
* IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
* FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
* AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
* LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
* OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN
* THE SOFTWARE.
*
*====-----=====

>>> python license
A. HISTORY OF THE SOFTWARE
=====

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes

[Public]

2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

Footnotes:

(1) GPL-compatible doesn't mean that we're distributing Python under the GPL. All Python licenses, unlike the GPL, let you distribute a modified version without making your changes open source. The GPL-compatible licenses make it possible to combine Python with other software that is released under the GPL; the others don't.

(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

B. TERMS AND CONDITIONS FOR ACCESSING OR OTHERWISE USING PYTHON

PYTHON SOFTWARE FOUNDATION LICENSE VERSION 2

1. This LICENSE AGREEMENT is between the Python Software Foundation ("PSF"), and the Individual or Organization ("Licensee") accessing and otherwise using this software ("Python") in source or binary form and its associated documentation.

2. Subject to the terms and conditions of this License Agreement, PSF hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python alone or in any derivative version, provided, however, that PSF's License Agreement and PSF's notice of copyright, i.e., "Copyright (c) 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017 Python Software Foundation; All Rights Reserved" are retained in Python alone or in any derivative version prepared by Licensee.

3. In the event Licensee prepares a derivative work that is based on or incorporates Python or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python.

4. PSF is making Python available to Licensee on an "AS IS" basis. PSF MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, PSF MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

5. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON,

OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

7. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between PSF and Licensee. This License Agreement does not grant permission to use PSF trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By copying, installing or otherwise using Python, Licensee agrees to be bound by the terms and conditions of this License Agreement.

BEOPEN.COM LICENSE AGREEMENT FOR PYTHON 2.0

BEOPEN PYTHON OPEN SOURCE LICENSE AGREEMENT VERSION 1

1. This LICENSE AGREEMENT is between BeOpen.com ("BeOpen"), having an office at 160 Saratoga Avenue, Santa Clara, CA 95051, and the Individual or Organization ("Licensee") accessing and otherwise using this software in source or binary form and its associated documentation ("the Software").

2. Subject to the terms and conditions of this BeOpen Python License Agreement, BeOpen hereby grants Licensee a non-exclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use the Software alone or in any derivative version, provided, however, that the BeOpen Python License is retained in the Software, alone or in any derivative version prepared by Licensee.

3. BeOpen is making the Software available to Licensee on an "AS IS" basis. BEOPEN MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, BEOPEN MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

4. BEOPEN SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF THE SOFTWARE FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF USING, MODIFYING OR DISTRIBUTING THE SOFTWARE, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

5. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

6. This License Agreement shall be governed by and interpreted in all respects by the law of the State of California, excluding conflict of law provisions. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between BeOpen and Licensee. This License Agreement does not grant permission to use BeOpen trademarks or trade names in a trademark sense to endorse or promote products or services of Licensee, or any third party. As an exception, the "BeOpen Python" logos available at

<http://www.pythonlabs.com/logos.html> may be used according to the permissions granted on that web page.

7. By copying, installing or otherwise using the software, Licensee agrees to be bound by the terms and conditions of this License Agreement.

CNRI LICENSE AGREEMENT FOR PYTHON 1.6.1

1. This LICENSE AGREEMENT is between the Corporation for National Research Initiatives, having an office at 1895 Preston White Drive, Reston, VA 20191 ("CNRI"), and the Individual or Organization ("Licensee") accessing and otherwise using Python 1.6.1 software in source or binary form and its associated documentation.

2. Subject to the terms and conditions of this License Agreement, CNRI hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python 1.6.1 alone or in any derivative version, provided, however, that CNRI's License Agreement and CNRI's notice of copyright, i.e., "Copyright (c) 1995-2001 Corporation for National Research Initiatives; All Rights Reserved" are retained in Python 1.6.1 alone or in any derivative version prepared by Licensee. Alternately, in lieu of CNRI's License Agreement, Licensee may substitute the following text (omitting the quotes): "Python 1.6.1 is made available subject to the terms and conditions in CNRI's License Agreement. This Agreement together with Python 1.6.1 may be located on the Internet using the following unique, persistent identifier (known as a handle): 1895.22/1013. This Agreement may also be obtained from a proxy server on the Internet using the following URL: <http://hdl.handle.net/1895.22/1013>".

3. In the event Licensee prepares a derivative work that is based on or incorporates Python 1.6.1 or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python 1.6.1.

4. CNRI is making Python 1.6.1 available to Licensee on an "AS IS" basis. CNRI MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, CNRI MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON 1.6.1 WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

5. CNRI SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON 1.6.1 FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON 1.6.1, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

7. This License Agreement shall be governed by the federal intellectual property law of the United States, including without limitation the federal copyright law, and, to the extent such

U.S. federal law does not apply, by the law of the Commonwealth of Virginia, excluding Virginia's conflict of law provisions. Notwithstanding the foregoing, with regard to derivative works based on Python 1.6.1 that incorporate non-separable material that was previously distributed under the GNU General Public License (GPL), the law of the Commonwealth of Virginia shall govern this License Agreement only as to issues arising under or with respect to Paragraphs 4, 5, and 7 of this License Agreement. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between CNRI and Licensee. This License Agreement does not grant permission to use CNRI trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By clicking on the "ACCEPT" button where indicated, or by copying, installing or otherwise using Python 1.6.1, Licensee agrees to be bound by the terms and conditions of this License Agreement.

ACCEPT

CWI LICENSE AGREEMENT FOR PYTHON 0.9.0 THROUGH 1.2

Copyright (c) 1991 - 1995, Stichting Mathematisch Centrum Amsterdam, The Netherlands. All rights reserved.

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Stichting Mathematisch Centrum or CWI not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

STICHTING MATHEMATISCH CENTRUM DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL STICHTING MATHEMATISCH CENTRUM BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Copyright (C) 2006-2016 Pacman Development Team

Copyright 1995-2017 Mark Adler

Copyright 2009 Giulio giulivo Fidente <giulivo.navigante@gmail.com>

Copyright (C) 2005-2016 Free Software Foundation Inc. Contributed by Richard Henderson <rth@redhat.com>.

Copyright (c) 2006 by Alex Smith <alex@alex-smith.me.uk>

))))) (0

Copyright 2006-2016 Pacman Development Team <pacman-dev@archlinux.org>

Copyright 1983, 1992-1993 The Regents of the University of California

Copyright 1992-1993, 1995-2013 Jean-loup Gailly

Copyright (c) 2006 by Andras Voroskoi <voroskoi@frugalware.org>

Copyright (c) 2013 Kyle Keen <keenerd@gmail.com>

Copyright 1994 Hewlett-Packard Co

Copyright 2009 Xavier Chantry <shiningxc@gmail.com>
Copyright 2000 Werner Koch
Copyright 2013, 2016 Andy Koppe Thomas Wolff License GPLv3
Copyright 1998-1999 Greg Colvin and Beman Dawes
Copyright 2007 Shane King
Copyright (c) 2009 Matthew Bruenig <matthewbruenig@gmail.com>. echo echo This is free software see the source for copying conditions.
Copyright 1988-2017 Free Software Foundation Inc
Copyright 2005 Aurelien Foret <orelien@chez.com>
Copyright 2002-2006 Judd Vinet <jvinet@zeroflux.org>
Copyright 2004 Ami Tavory and Vladimir Dreizin IBM-HRL
Copyright 2001-2003 Peter Dimov and Multi Media Ltd
Copyright 2001-2003 Peter Dimov
Copyright 2007 Aaron Griffin <aaronmgriffin@gmail.com>
Copyright 2003-2004, 2010, 2013-2016 - An error code library
Copyright 2008 locci
Copyright (C) 2004-2016 Free Software Foundation Inc. Contributed by Apple Inc.
Copyright 2005-2006 Miklos Vajna <vmiklos@frugalware.org>
Copyright 1996-1997 Silicon Graphics
Copyright 2014-2016 Free Software Foundation Inc. Copying and distribution of
Copyright 2000 Jeremy Siek
Copyright (C) 2010 2011 Free Software Foundation Inc. Written by Francois-Xavier Coudert <fxcoudert@gcc.gnu.org>
Copyright 1995-2017 Jean-loup Gailly and Mark Adler
Copyright (C) 1993-2016 Free Software Foundation Inc. Written by Steve Chamberlain and Ian Lance Taylor Cygnus Support.
Copyright 1995-2013 Free Software Foundation Inc. License GPLv3
Copyright 2005 Christian Hamar <krics@linuxforum.hu>
Copyright 1996-1999 Silicon Graphics Computer Systems Inc
Copyright (C) 2003-2007 Free Software Foundation Inc. License GPLv2
Copyright (c) 2013 Alexey Pavlov <alexpux@gmail.com>
Copyright (C) 2002-2006 Judd Vinet
Copyright (C) 2012-2016 the Free Software Foundation Inc.
Copyright (c) Christos Zoulas 2003
Copyright 2011 Piotr Caban for CodeWeavers
Copyright (C) 2000-2016 Free Software Foundation Inc. Contributed by Zack Weinberg <zackw@stanford.edu>.
Copyright (C) 2009-2016 Free Software Foundation Inc. Written by Cary Coutant <ccoutant@google.com>.
Copyright (C) 2010 2011 Free Software Foundation Inc. Written by Tobias Burnus <burnus@net-b.de>
Copyright 2009-2010, 2013 the mingw-
Copyright 1996 treaty adopted on
Copyright (c) 2009 Matthew Bruenig <matthewbruenig@gmail.com>
Copyright 1998, 2001-2002, 2006-2007 Free Software Foundation

```
nbclassic version 1.2.0
<<<<<<<xilinx-separator>>>>>>>>
```

Copyright (c) 2020 Project Jupyter Contributors
All rights reserved.

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

```
nbclient version 0.10.2
<<<<<<<xilinx-separator>>>>>>>
```

Licensing terms

This project is licensed under the terms of the Modified BSD License (also known as New or Revised or 3-Clause BSD), as follows:

- Copyright (c) 2020-, Jupyter Development Team

All rights reserved.

Redistribution and use in source and binary forms, with or without

modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of the Jupyter Development Team nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

About the Jupyter Development Team

The Jupyter Development Team is the set of all contributors to the Jupyter project. This includes all of the Jupyter subprojects.

The core team that coordinates development on GitHub can be found here: <https://github.com/jupyter/>.

Our Copyright Policy

Jupyter uses a shared copyright model. Each contributor maintains copyright over their contributions to Jupyter. But, it is important to note that these contributions are typically only changes to the repositories. Thus, the Jupyter source code, in its entirety is not the copyright of any single person or institution. Instead, it is the collective copyright of the entire Jupyter Development Team. If individual contributors want to maintain a record of what changes/contributions they have specific copyright on, they should indicate their copyright in the commit message of the change, when they commit the change to one of the Jupyter repositories.

With this in mind, the following banner should be used in any source code file to indicate the copyright and license terms:

```
# Copyright (c) Jupyter Development Team.  
# Distributed under the terms of the Modified BSD License.
```

```
nbclient version 0.5.5  
<<<<<<<<<xilinx-separator>>>>>>>>>
```

Licensing terms

This project is licensed under the terms of the Modified BSD License (also known as New or Revised or 3-Clause BSD), as follows:

- Copyright (c) 2020-, Jupyter Development Team

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of the Jupyter Development Team nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

About the Jupyter Development Team

The Jupyter Development Team is the set of all contributors to the Jupyter project. This includes all of the Jupyter subprojects.

The core team that coordinates development on GitHub can be found here: <https://github.com/jupyter/>.

Our Copyright Policy

Jupyter uses a shared copyright model. Each contributor maintains copyright over their contributions to Jupyter. But, it is important to note that these contributions are typically only changes to the repositories. Thus, the Jupyter source code, in its entirety is not the copyright of any single person or institution. Instead, it is the collective copyright of the entire Jupyter Development Team. If individual contributors want to maintain a record of what changes/contributions they have specific copyright on, they should indicate their copyright in the commit message of the change, when they commit the change to one of the Jupyter repositories.

With this in mind, the following banner should be used in any source code file to indicate the copyright and license terms:

```
# Copyright (c) Jupyter Development Team.
```

[Public]

Distributed under the terms of the Modified BSD License.

nbconvert version 6.2.0

```
<<<<<<<xilinx-separator>>>>>>>>
```

Licensing terms

This project is licensed under the terms of the Modified BSD License (also known as New or Revised or 3-Clause BSD), as follows:

- Copyright (c) 2001-2015, IPython Development Team
- Copyright (c) 2015-, Jupyter Development Team

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of the Jupyter Development Team nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

About the Jupyter Development Team

The Jupyter Development Team is the set of all contributors to the Jupyter project. This includes all of the Jupyter subprojects.

The core team that coordinates development on GitHub can be found here: <https://github.com/jupyter/>.

Our Copyright Policy

Jupyter uses a shared copyright model. Each contributor maintains copyright over their contributions to Jupyter. But, it is important to note that these contributions are typically only changes to the repositories. Thus, the Jupyter

source code, in its entirety is not the copyright of any single person or institution. Instead, it is the collective copyright of the entire Jupyter Development Team. If individual contributors want to maintain a record of what changes/contributions they have specific copyright on, they should indicate their copyright in the commit message of the change, when they commit the change to one of the Jupyter repositories.

With this in mind, the following banner should be used in any source code file to indicate the copyright and license terms:

```
# Copyright (c) Jupyter Development Team.  
# Distributed under the terms of the Modified BSD License.
```

Licensing terms

This project is licensed under the terms of the Modified BSD License (also known as New or Revised or 3-Clause BSD), as follows:

- Copyright (c) 2001-2015, IPython Development Team
- Copyright (c) 2015-, Jupyter Development Team

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of the Jupyter Development Team nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

About the Jupyter Development Team

The Jupyter Development Team is the set of all contributors to the Jupyter project. This includes all of the Jupyter subprojects.

The core team that coordinates development on GitHub can be found here: <https://github.com/jupyter/>.

Our Copyright Policy

Jupyter uses a shared copyright model. Each contributor maintains copyright over their contributions to Jupyter. But, it is important to note that these contributions are typically only changes to the repositories. Thus, the Jupyter source code, in its entirety is not the copyright of any single person or institution. Instead, it is the collective copyright of the entire Jupyter Development Team. If individual contributors want to maintain a record of what changes/contributions they have specific copyright on, they should indicate their copyright in the commit message of the change, when they commit the change to one of the Jupyter repositories.

With this in mind, the following banner should be used in any source code file to indicate the copyright and license terms:

Copyright (c) Jupyter Development Team.
Distributed under the terms of the Modified BSD License.

```
nbconvert version 7.16.6
<<<<<<<xilinx-separator>>>>>>>
```

Licensing terms

This project is licensed under the terms of the Modified BSD License (also known as New or Revised or 3-Clause BSD), as follows:

- Copyright (c) 2001-2015, IPython Development Team
- Copyright (c) 2015-, Jupyter Development Team

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of the Jupyter Development Team nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE

FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

About the Jupyter Development Team

The Jupyter Development Team is the set of all contributors to the Jupyter project. This includes all of the Jupyter subprojects.

The core team that coordinates development on GitHub can be found here: <https://github.com/jupyter/>.

Our Copyright Policy

Jupyter uses a shared copyright model. Each contributor maintains copyright over their contributions to Jupyter. But, it is important to note that these contributions are typically only changes to the repositories. Thus, the Jupyter source code, in its entirety is not the copyright of any single person or institution. Instead, it is the collective copyright of the entire Jupyter Development Team. If individual contributors want to maintain a record of what changes/contributions they have specific copyright on, they should indicate their copyright in the commit message of the change, when they commit the change to one of the Jupyter repositories.

With this in mind, the following banner should be used in any source code file to indicate the copyright and license terms:

```
# Copyright (c) Jupyter Development Team.  
# Distributed under the terms of the Modified BSD License.
```

Licensing terms

This project is licensed under the terms of the Modified BSD License (also known as New or Revised or 3-Clause BSD), as follows:

- Copyright (c) 2001-2015, IPython Development Team
- Copyright (c) 2015-, Jupyter Development Team

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of the Jupyter Development Team nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

About the Jupyter Development Team

The Jupyter Development Team is the set of all contributors to the Jupyter project. This includes all of the Jupyter subprojects.

The core team that coordinates development on GitHub can be found here: <https://github.com/jupyter/>.

Our Copyright Policy

Jupyter uses a shared copyright model. Each contributor maintains copyright over their contributions to Jupyter. But, it is important to note that these contributions are typically only changes to the repositories. Thus, the Jupyter source code, in its entirety is not the copyright of any single person or institution. Instead, it is the collective copyright of the entire Jupyter Development Team. If individual contributors want to maintain a record of what changes/contributions they have specific copyright on, they should indicate their copyright in the commit message of the change, when they commit the change to one of the Jupyter repositories.

With this in mind, the following banner should be used in any source code file to indicate the copyright and license terms:

```
# Copyright (c) Jupyter Development Team.  
# Distributed under the terms of the Modified BSD License.
```

```
nbformat version 5.1.3  
<<<<<<<<<xilinx-separator>>>>>>>>>>>>
```

Licensing terms

This project is licensed under the terms of the Modified BSD License (also known as New or Revised or 3-Clause BSD), as follows:

- Copyright (c) 2001-2015, IPython Development Team
- Copyright (c) 2015-, Jupyter Development Team

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of the Jupyter Development Team nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

About the Jupyter Development Team

The Jupyter Development Team is the set of all contributors to the Jupyter project. This includes all of the Jupyter subprojects.

The core team that coordinates development on GitHub can be found here:
<https://github.com/jupyter/>.

Our Copyright Policy

Jupyter uses a shared copyright model. Each contributor maintains copyright over their contributions to Jupyter. But, it is important to note that these contributions are typically only changes to the repositories. Thus, the Jupyter source code, in its entirety is not the copyright of any single person or institution. Instead, it is the collective copyright of the entire Jupyter Development Team. If individual contributors want to maintain a record of what changes/contributions they have specific copyright on, they should indicate their copyright in the commit message of the change, when they commit the change to one of the Jupyter repositories.

With this in mind, the following banner should be used in any source code file to indicate the copyright and license terms:

```
# Copyright (c) Jupyter Development Team.  
# Distributed under the terms of the Modified BSD License.
```

Licensing terms

This project is licensed under the terms of the Modified BSD License (also known as New or Revised or 3-Clause BSD), as follows:

- Copyright (c) 2001-2015, IPython Development Team
- Copyright (c) 2015-, Jupyter Development Team

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of the Jupyter Development Team nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

About the Jupyter Development Team

The Jupyter Development Team is the set of all contributors to the Jupyter project. This includes all of the Jupyter subprojects.

The core team that coordinates development on GitHub can be found here: <https://github.com/jupyter/>.

Our Copyright Policy

Jupyter uses a shared copyright model. Each contributor maintains copyright over their contributions to Jupyter. But, it is important to note that these contributions are typically only changes to the repositories. Thus, the Jupyter source code, in its entirety is not the copyright of any single person or institution. Instead, it is the collective copyright of the entire Jupyter Development Team. If individual contributors want to maintain a record of what changes/contributions they have specific copyright on, they should indicate their copyright in the commit message of the change, when they commit the change to one of the Jupyter repositories.

With this in mind, the following banner should be used in any source code file to indicate the copyright and license terms:

```
# Copyright (c) Jupyter Development Team.  
# Distributed under the terms of the Modified BSD License.
```

```
nbformat version 5.10.4  
<<<<<<<<<xilinx-separator>>>>>>>>>
```

Licensing terms

This project is licensed under the terms of the Modified BSD License (also known as New or Revised or 3-Clause BSD), as follows:

- Copyright (c) 2001-2015, IPython Development Team
- Copyright (c) 2015-, Jupyter Development Team

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of the Jupyter Development Team nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

About the Jupyter Development Team

The Jupyter Development Team is the set of all contributors to the Jupyter project. This includes all of the Jupyter subprojects.

The core team that coordinates development on GitHub can be found here: <https://github.com/jupyter/>.

Our Copyright Policy

Jupyter uses a shared copyright model. Each contributor maintains copyright

over their contributions to Jupyter. But, it is important to note that these contributions are typically only changes to the repositories. Thus, the Jupyter source code, in its entirety is not the copyright of any single person or institution. Instead, it is the collective copyright of the entire Jupyter Development Team. If individual contributors want to maintain a record of what changes/contributions they have specific copyright on, they should indicate their copyright in the commit message of the change, when they commit the change to one of the Jupyter repositories.

With this in mind, the following banner should be used in any source code file to indicate the copyright and license terms:

```
# Copyright (c) Jupyter Development Team.  
# Distributed under the terms of the Modified BSD License.
```

Licensing terms

This project is licensed under the terms of the Modified BSD License (also known as New or Revised or 3-Clause BSD), as follows:

- Copyright (c) 2001-2015, IPython Development Team
- Copyright (c) 2015-, Jupyter Development Team

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of the Jupyter Development Team nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

About the Jupyter Development Team

notice, this list of conditions and the following disclaimer.

- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of the NetworkX Developers nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

nlview version 6.1.0d

```
<<<<<<<xilinx-separator>>>>>>>>
```

/*

- * Copyright (c) 1992, 1993
* The Regents of the University of California. All rights reserved.
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
*
* 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions and the following disclaimer in the
* documentation and/or other materials provided with the distribution.
* 3. All advertising materials mentioning features or use of this software
* must display the following acknowledgement:
* This product includes software developed by the University of
* California, Berkeley and its contributors.
* 4. Neither the name of the University nor the names of its contributors
* may be used to endorse or promote products derived from this software
* without specific prior written permission.
*
* THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND
* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
*/

/*

* Copyright (c) 1987-1993 The Regents of the University of California.

* Copyright (c) 1994-1998 Sun Microsystems, Inc.

This software is copyrighted by the Regents of the University of California, Sun Microsystems, Inc., Scriptics Corporation, and other parties. The following terms apply to all files associated with the software unless explicitly disclaimed in individual files.

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses.

Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

IN NO EVENT SHALL THE AUTHORS OR DISTRIBUTORS BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS SOFTWARE, ITS DOCUMENTATION, OR ANY DERIVATIVES THEREOF, EVEN IF THE AUTHORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

THE AUTHORS AND DISTRIBUTORS SPECIFICALLY DISCLAIM ANY WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. THIS SOFTWARE IS PROVIDED ON AN "AS IS" BASIS, AND THE AUTHORS AND DISTRIBUTORS HAVE NO OBLIGATION TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.

GOVERNMENT USE: If you are acquiring this software on behalf of the U.S. government, the Government shall have only "Restricted Rights" in the software and related documentation as defined in the Federal Acquisition Regulations (FARs) in Clause 52.227.19 (c) (2). If you are acquiring the software on behalf of the Department of Defense, the software shall be classified as "Commercial Computer Software" and the Government shall have only "Restricted Rights" as defined in Clause 252.227-7013 (c) (1) of DFARs. Notwithstanding the foregoing, the authors grant the U.S. Government and others acting in its behalf permission to use and distribute the software in accordance with the terms specified in this license.

notebook version 6.4.5

<<<<<<<<<xilinx-separator>>>>>>>>>

This project is licensed under the terms of the Modified BSD License (also known as New or Revised or 3-Clause BSD), as follows:

- Copyright (c) 2001-2015, IPython Development Team
- Copyright (c) 2015-, Jupyter Development Team

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of the Jupyter Development Team nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

About the Jupyter Development Team

The Jupyter Development Team is the set of all contributors to the Jupyter project. This includes all of the Jupyter subprojects.

The core team that coordinates development on GitHub can be found here: <https://github.com/jupyter/>.

Our Copyright Policy

Jupyter uses a shared copyright model. Each contributor maintains copyright over their contributions to Jupyter. But, it is important to note that these contributions are typically only changes to the repositories. Thus, the Jupyter source code, in its entirety is not the copyright of any single person or institution. Instead, it is the collective copyright of the entire Jupyter Development Team. If individual contributors want to maintain a record of what changes/contributions they have specific copyright on, they should indicate their copyright in the commit message of the change, when they commit the change to one of the Jupyter repositories.

With this in mind, the following banner should be used in any source code file to indicate the copyright and license terms:

```
# Copyright (c) Jupyter Development Team.  
# Distributed under the terms of the Modified BSD License.
```

```
>>> Apache  
// Copyright 2014-2019 Volker Sorge  
//  
// Licensed under the Apache License, Version 2.0 (the "License");  
// you may not use this file except in compliance with the License.  
// You may obtain a copy of the License at
```

```
//
//  http://www.apache.org/licenses/LICENSE-2.0
//
// Unless required by applicable law or agreed to in writing, software
// distributed under the License is distributed on an "AS IS" BASIS,
// WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
// See the License for the specific language governing permissions and
// limitations under the License.
/*
```

```
>>> MIT
/*!
 * Bootstrap v3.4.1 (https://getbootstrap.com/)
 * Copyright 2011-2019 Twitter, Inc.
 * Licensed under the MIT license
 */
```

```
notebook version 6.5.7
<<<<<<<xilinx-separator>>>>>>>>
```

- Copyright (c) 2001-2015, IPython Development Team
- Copyright (c) 2015-, Jupyter Development Team

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of the Jupyter Development Team nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE

DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

About the Jupyter Development Team

The Jupyter Development Team is the set of all contributors to the Jupyter project. This includes all of the Jupyter subprojects.

The core team that coordinates development on GitHub can be found here: <https://github.com/jupyter/>.

Our Copyright Policy

Jupyter uses a shared copyright model. Each contributor maintains copyright over their contributions to Jupyter. But, it is important to note that these contributions are typically only changes to the repositories. Thus, the Jupyter source code, in its entirety is not the copyright of any single person or institution. Instead, it is the collective copyright of the entire Jupyter Development Team. If individual contributors want to maintain a record of what changes/contributions they have specific copyright on, they should indicate their copyright in the commit message of the change, when they commit the change to one of the Jupyter repositories.

With this in mind, the following banner should be used in any source code file to indicate the copyright and license terms:

```
# Copyright (c) Jupyter Development Team.  
# Distributed under the terms of the Modified BSD License.
```

```
>>> Apache  
// Copyright 2014-2019 Volker Sorge  
//  
// Licensed under the Apache License, Version 2.0 (the "License");  
// you may not use this file except in compliance with the License.  
// You may obtain a copy of the License at  
//  
// http://www.apache.org/licenses/LICENSE-2.0  
//  
// Unless required by applicable law or agreed to in writing, software  
// distributed under the License is distributed on an "AS IS" BASIS,  
// WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.  
// See the License for the specific language governing permissions and  
// limitations under the License.  
/*  
  
Copyright The Closure Library Authors.  
SPDX-License-Identifier: Apache-2.0  
*/
```

```
>>> MIT  
/*!  
 * Bootstrap v3.4.1 (https://getbootstrap.com/)
```

[Public]

* Copyright 2011-2019 Twitter, Inc.
* Licensed under the MIT license
*/

>>>
// CodeMirror, copyright (c) by Marijn Haverbeke and others
// Distributed under an MIT license: <https://codemirror.net/LICENSE>

notebook-shim version 0.2.4
<<<<<<<<<xilinx-separator>>>>>>>>>

BSD 3-Clause License

Copyright (c) 2022 Project Jupyter Contributors
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this
list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice,
this list of conditions and the following disclaimer in the documentation
and/or other materials provided with the distribution.
3. Neither the name of the copyright holder nor the names of its
contributors may be used to endorse or promote products derived from
this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"
AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER
CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

numpy version 1.18.4
<<<<<<<<<xilinx-separator>>>>>>>>>

>>>> BSD

Copyright (c) 2003-2005, Jean-Sebastien Roy (js@jeannot.org)

The rk_random and rk_seed functions algorithms and the original design of

the Mersenne Twister RNG:

Copyright (C) 1997 - 2002, Makoto Matsumoto and Takuji Nishimura,
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
3. The names of its contributors may not be used to endorse or promote
products derived from this software without specific prior written
permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR
A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER
OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,
EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO,
PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR
PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF
LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING
NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS
SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Original algorithm for the implementation of rk_interval function from
Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by
Magnus Jonsson.

Constants used in the rk_double implementation by Isaku Wada.

Permission is hereby granted, free of charge, to any person obtaining a
copy of this software and associated documentation files (the
"Software"), to deal in the Software without restriction, including
without limitation the rights to use, copy, modify, merge, publish,
distribute, sublicense, and/or sell copies of the Software, and to
permit persons to whom the Software is furnished to do so, subject to
the following conditions:

The above copyright notice and this permission notice shall be included
in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS
OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.
IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY
CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT,
TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE
SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

>>>> MIT

License

Copyright (c) 2008 Ian Bicking and Contributors

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

>>>> docs

The following copyright statement applies to all files, excluding exceptions mentioned explicitly below:

Copyright (c) 2011 Kevin Dunn, Surya K, Pauli Virtanen, the Sphinx team
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of the author nor the names of other contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Exceptions:

`_theme/scipy/static/copybutton.js`

Originates from Python; Doc/tools/sphinxext/static/copybutton.js

1. This LICENSE AGREEMENT is between the Python Software Foundation ("PSF"), and the Individual or Organization ("Licensee") accessing and otherwise using this software ("Python") in source or binary form and its associated documentation.
2. Subject to the terms and conditions of this License Agreement, PSF hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python alone or in any derivative version, provided, however, that PSF's License Agreement and PSF's notice of copyright, i.e., "Copyright (c) 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013 Python Software Foundation; All Rights Reserved" are retained in Python alone or in any derivative version prepared by Licensee.
3. In the event Licensee prepares a derivative work that is based on or incorporates Python or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python.
4. PSF is making Python available to Licensee on an "AS IS" basis. PSF MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, PSF MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.
5. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.
6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.
7. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between PSF and Licensee. This License Agreement does not grant permission to use PSF trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.
8. By copying, installing or otherwise using Python, Licensee agrees to be bound by the terms and conditions of this License Agreement.

`_theme/scipy/static/less/bootstrap/*,`
`_theme/scipy/static/img/glyphicons-*,`
`_theme/scipy/static/css/spc-bootstrap.css`

Twitter Bootstrap v2.3.1 (and generated output CSS files)

Copyright 2012 Twitter, Inc
Licensed under the Apache License v2.0
<http://www.apache.org/licenses/LICENSE-2.0>

>>>> pcg

```
* Copyright 2014 Melissa O'Neill <oneill@pcg-random.org>
* Copyright 2015 Robert Kern <robert.kern@gmail.com>
*
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
*
*   http://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*
* For additional information about the PCG random number generation scheme,
* including its license and other licensing options, visit
*
*   http://www.pcg-random.org
*
* Relicensed MIT in May 2019
*
* The MIT License
*
* PCG Random Number Generation for C.
*
* Copyright 2014 Melissa O'Neill <oneill@pcg-random.org>
*
* Permission is hereby granted, free of charge, to any person obtaining
* a copy of this software and associated documentation files (the "Software"),
* to deal in the Software without restriction, including without limitation
* the rights to use, copy, modify, merge, publish, distribute, sublicense,
* and/or sell copies of the Software, and to permit persons to whom the
* Software is furnished to do so, subject to the following conditions:
*
* The above copyright notice and this permission notice shall be included in
* all copies or substantial portions of the Software.
*
* THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
* IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS
* FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR
* COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER
* IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN
* CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
*/
```

>>>>

```
/ Copyright 2014 PSF. Licensed under the PYTHON SOFTWARE FOUNDATION LICENSE VERSION 2
// File originates from the cpython source found in Doc/tools/sphinxext/static/copybutton.js
```

Copyright 2006 University of Georgia and Pierre G.F. Gerard-Marchant

Copyright 1999-2005, 2011 Pearu Peterson
Copyright (c) 1992-2013 The University of Tennessee and The University
Copyright 2010-2012 D. E. Shaw Research. All rights reserved.
Copyright 2014 Melissa O'Neill <oneill@pcg-random.org>
Copyright (c) 2009-2019 Jeff Bezanson Stefan Karpinski Viral B. Shah and other contributors
Copyright (c) 1992-2013 The University of Tennessee and The University of Tennessee Research Foundation. All rights reserved.
Copyright 1993 Sun Microsystems Inc
Copyright 2001-2013 Python Software Foundation
Copyright 1995-1997 Jim Hugunin hugunin@mit.edu
Copyright 2011 Kevin Dunn Surya K Pauli Virtanen the Sphinx team
Copyright 1997-2002 Makoto Matsumoto and Takuji Nishimura
Copyright (c) 2015 Pauli Virtanen All rights reserved. Licensed under
Copyright 2015, 2018 Melissa E. O'Neill
Copyright 2011 by Enthought Inc License CC By-SA
Copyright 2010-2011 Mark Wiebe (mwwiebe@gmail.com) The University of British Columbia
Copyright 1999 2000 2001 Regents of the University of California. Released for unlimited redistribution.
Copyright 2019 Kevin Sheppard
Copyright 2006 Dean Edwards License <https://www.opensource.org/licenses/mit-license.php>
Copyright 2012 Twitter Inc
Copyright (C) 2004-2018 Max-Planck-Society author Martin Reinecke
Copyright 2014 Ryan Juckett
Copyright 2008 Stefan van der Walt <stefan@mentat.za.net> Pauli Virtanen <pav@iki.fi>
Copyright 2005-2019 NumPy Developers
Copyright (c) 2008 Ian Bicking and Contributors
Copyright 2003-2005 Jean-Sebastien Roy (js@jeannot.org)
Copyright (c) 2007 2011 David Schultz <das@FreeBSD.ORG>
copyright 2010 David Wolever <david@wolever.net>. All rights reserved.
Copyright (c) 2000-2013 The University of California Berkeley. All rights reserved.
Copyright 2007-2018 the Sphinx team
Copyright (c) 2006-2013 The University of Colorado Denver. All rights reserved.
Copyright 1994-2002 Absoft Corp
Copyright 2014 PSF
Copyright 2015 Robert Kern <robert.kern@gmail.com>
Copyright 2011 Enthought Inc
Copyright (c) 2012 Stephen Montgomery-Smith <stephen@FreeBSD.ORG> All rights reserved.

numpy-numpy version 2.2.1
<<<<<<<<<xilinx-separator>>>>>>>>>

>>>BSD-3
Copyright (c) 2005-2022, NumPy Developers.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are
met:

- * Redistributions of source code must retain the above copyright
notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above
copyright notice, this list of conditions and the following
disclaimer in the documentation and/or other materials provided
with the distribution.
- * Neither the name of the NumPy Developers nor the names of any

contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

>>>BSD 2

Copyright (c) Donald Stuftt and individual contributors.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

- # 1. Redistributions of source code must retain the above copyright notice,
this list of conditions and the following disclaimer.
- # 2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"
AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE
LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
POSSIBILITY OF SUCH DAMAGE.

>>>Zlib

zlib License

Copyright (C) 2010 - 2019 ridiculous_fish, <libdivide@ridiculousfish.com>

Copyright (C) 2016 - 2019 Kim Walisch, <kim.walisch@gmail.com>

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

>>>

/ libdivide is dual-licensed under the Boost or zlib licenses.
// You may use libdivide under the terms of either of these.
// See LICENSE.txt for more details.

>>>GPLv3 + runtime exception

Name: GCC runtime library
Files: .libs/libgfortran*.so
Description: dynamically linked to files compiled with gcc
Availability: <https://gcc.gnu.org/viewcvs/gcc/>
License: GPLv3 + runtime exception
Copyright (C) 2002-2017 Free Software Foundation, Inc.

Libgfortran is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 3, or (at your option) any later version.

Libgfortran is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

Under Section 7 of GPL version 3, you are granted additional permissions described in the GCC Runtime Library Exception, version 3.1, as published by the Free Software Foundation.

You should have received a copy of the GNU General Public License and a copy of the GCC Runtime Library Exception along with this program; see the files COPYING3 and COPYING.RUNTIME respectively. If not, see <<http://www.gnu.org/licenses/>>.

>>> MIT

Name: tempita
Files: tools/npv_tempita/*
License: MIT
For details, see tools/npv_tempita/license.txt

Name: dragon4
Files: numpy/core/src/multiarray/dragon4.c
License: MIT
For license text, see numpy/core/src/multiarray/dragon4.c

Copyright 1999-2005, 2011 Pearu Peterson

1.3. All Products are delivered FCA factory (Incoterms 2010), freight prepaid and invoiced to Customer, except Software delivered electronically, which shall be deemed delivered when made available to Customer for download. Mentor Graphics retains a security interest in all Products delivered under this Agreement, to secure payment of the purchase price of such Products, and Customer agrees to sign any documents that Mentor Graphics determines to be necessary or convenient for use in filing or

perfecting such security interest. Mentor Graphics® delivery of Software by electronic means is subject to Customer's provision of both a primary and an alternate e-mail address.

2. GRANT OF LICENSE. The software installed, downloaded, or otherwise acquired by Customer under this Agreement, including any updates, modifications, revisions, copies, documentation, setup files and design data (©Software®) are copyrighted, trade secret and confidential information of Mentor Graphics or its licensors, who maintain exclusive title to all Software and retain all rights not expressly granted by this Agreement. Except for Software that is embeddable (©Embedded Software®), which is licensed pursuant to separate embedded software terms or an embedded software supplement, Mentor Graphics grants to Customer, subject to payment of

applicable license fees, a nontransferable, nonexclusive license to use Software solely: (a) in machine-readable, object-code form (except as provided in Subsection 4.2); (b) for Customer's internal business purposes; (c) for the term of the license; and (d) on the computer hardware and at the site authorized by Mentor Graphics. A site is restricted to a one-half mile (800 meter) radius. Customer may have Software temporarily used by an employee for telecommuting purposes from locations other than a Customer office, such as

the employee's residence, an airport or hotel, provided that such employee's primary place of employment is the site where the Software is authorized for use. Mentor Graphics® standard policies and programs, which vary depending on Software, license fees paid

or services purchased, apply to the following: (a) relocation of Software; (b) use of Software, which may be limited, for example, to execution of a single session by a single user on the authorized hardware or for a restricted period of time (such limitations may be technically implemented through the use of authorization codes or similar devices); and (c) support services provided, including eligibility to receive telephone support, updates, modifications, and revisions. For the avoidance of doubt, if Customer provides any feedback or requests any change or enhancement to Products, whether in the course of receiving support or consulting services, evaluating Products, performing beta testing or otherwise, any inventions, product improvements, modifications or developments made

by Mentor Graphics (at Mentor Graphics® sole discretion) will be the exclusive property of Mentor Graphics.

IMPORTANT INFORMATION

USE OF ALL SOFTWARE IS SUBJECT TO LICENSE RESTRICTIONS. CAREFULLY READ THIS LICENSE AGREEMENT BEFORE USING THE PRODUCTS. USE OF SOFTWARE INDICATES CUSTOMER'S COMPLETE AND UNCONDITIONAL ACCEPTANCE OF THE TERMS AND CONDITIONS SET FORTH IN THIS AGREEMENT. ANY ADDITIONAL OR DIFFERENT PURCHASE ORDER TERMS AND CONDITIONS SHALL NOT APPLY.

3. BETA CODE.

3.1. Portions or all of certain Software may contain code for experimental testing and evaluation (which may be either alpha or beta, collectively ©Beta Code®), which may not be used without Mentor Graphics® explicit authorization. Upon Mentor Graphics® authorization, Mentor Graphics grants to Customer a temporary, nontransferable, nonexclusive license for experimental use to test and evaluate the Beta Code without charge for a limited period of time specified by Mentor Graphics. Mentor Graphics may choose, at its sole discretion, not to release Beta Code commercially in any form.

3.2. If Mentor Graphics authorizes Customer to use the Beta Code, Customer agrees to evaluate and test the Beta Code under normal conditions as directed by Mentor Graphics. Customer will contact Mentor Graphics periodically during Customer's use of the Beta Code to discuss any malfunctions or suggested improvements. Upon completion of Customer's evaluation and testing, Customer will send to Mentor Graphics a written evaluation of the Beta Code, including its strengths, weaknesses and recommended improvements.

3.3. Customer agrees to maintain Beta Code in confidence and shall restrict access to the Beta Code, including the methods and concepts utilized therein, solely to those employees and Customer location(s) authorized by Mentor Graphics to perform beta testing. Customer agrees that any written evaluations and all inventions, product improvements, modifications or developments that Mentor Graphics conceived or made during or subsequent to this Agreement, including those based partly or wholly on Customer's feedback, will be the exclusive property of Mentor Graphics. Mentor Graphics will have exclusive rights, title and interest in all such property. The provisions of this Subsection 3.3 shall survive termination of this Agreement.

4. RESTRICTIONS ON USE.

4.1. Customer may copy Software only as reasonably necessary to support the authorized use. Each copy must include all notices and legends embedded in Software and affixed to its medium and container as received from Mentor Graphics. All copies shall remain the property of Mentor Graphics or its licensors. Except for Embedded Software that has been embedded in executable code form in Customer's product(s), Customer shall maintain a record of the number and primary location of all copies of Software, including copies merged with other software, and shall make those records available to Mentor Graphics upon request. Customer shall not make Products available in any form to any person other than Customer's employees and on-site contractors, excluding Mentor Graphics competitors, whose job performance requires access and who are under obligations of confidentiality. Customer shall take appropriate action to protect the confidentiality of Products and ensure that any person permitted access does not disclose or use Products except as permitted by this Agreement. Customer shall give Mentor Graphics written notice of any unauthorized disclosure or use of the Products as soon as Customer becomes aware of such unauthorized disclosure or use. Customer acknowledges that Software provided hereunder may contain source code which is proprietary and

its confidentiality is of the highest importance and value to Mentor Graphics. Customer acknowledges that Mentor Graphics may be seriously harmed if such source code is disclosed in violation of this Agreement. Except as otherwise permitted for purposes of interoperability as specified by applicable and mandatory local law, Customer shall not reverse-assemble, disassemble, reverse-compile, or reverse-engineer any Product, or in any way derive any source code from Software that is not provided to Customer in source code form. Log files, data files, rule files and script files generated by or for the Software (collectively ©Files©), including without limitation files containing Standard Verification Rule Format (©SVRF©) and Tcl Verification Format (©TVF©) which are Mentor Graphics© trade secret and proprietary syntaxes for expressing process rules, constitute or include confidential information of Mentor Graphics. Customer may share Files with third parties, excluding Mentor Graphics competitors, provided that the confidentiality of such Files is protected by written agreement at least as well as Customer protects other information of a similar nature or importance, but in any case with at least reasonable care. Customer may use Files containing SVRF or TVF only with Mentor Graphics products. Under no circumstances shall Customer use Products or Files or allow their use for the purpose of developing, enhancing or marketing any product that is in any way competitive with Products, or disclose to any third party the results of, or information pertaining to, any benchmark.

4.2. If any Software or portions thereof are provided in source code form, Customer will use the source code only to correct software errors and enhance or modify the Software for the authorized use, or as permitted for Embedded Software under separate embedded software terms or an embedded software supplement. Customer shall not disclose or permit disclosure of source code, in whole or in part, including any of its methods or concepts, to anyone except Customer©s employees or on-site contractors, excluding Mentor Graphics competitors, with a need to know. Customer shall not copy or compile source code in any manner except to support this authorized use.

4.3. Customer agrees that it will not subject any Product to any open source software (©OSS©) license that conflicts with this Agreement or that does not otherwise apply to such Product.

4.4. Customer may not assign this Agreement or the rights and duties under it, or relocate, sublicense, or otherwise transfer the Products, whether by operation of law or otherwise (©Attempted Transfer©), without Mentor Graphics© prior written consent and payment of Mentor Graphics© then-current applicable relocation and/or transfer fees. Any Attempted Transfer without Mentor Graphics© prior written consent shall be a material breach of this Agreement and may, at Mentor Graphics© option, result in the immediate termination of the Agreement and/or the licenses granted under this Agreement. The terms of this Agreement, including without limitation the licensing and assignment provisions, shall be binding upon Customer©s permitted successors in interest and assigns.

4.5. The provisions of this Section 4 shall survive the termination of this Agreement.

5. SUPPORT SERVICES. To the extent Customer purchases support services, Mentor Graphics will provide Customer with updates and technical support for the Products, at the Customer site(s) for which support is purchased, in accordance with Mentor Graphics© then current End-User Support Terms located at <http://supportnet.mentor.com/supportterms>.

6. OPEN SOURCE SOFTWARE. Products may contain OSS or code distributed under a proprietary third party license agreement, to which additional rights or obligations (©Third Party Terms©) may apply. Please see the applicable Product documentation (including license files, header files, read-me files or source code) for details. In the event of conflict between the terms of this Agreement (including any addenda) and the Third Party Terms, the Third Party Terms will control solely with respect to the OSS or third party code. The provisions of this Section 6 shall survive the termination of this Agreement.

7. LIMITED WARRANTY.

7.1. Mentor Graphics warrants that during the warranty period its standard, generally supported Products, when properly installed, will substantially conform to the functional specifications set forth in the applicable user manual. Mentor Graphics does not warrant that Products will meet Customer©s requirements or that operation of Products will be uninterrupted or error free. The warranty period is 90 days starting on the 15th day after delivery or upon installation, whichever first occurs. Customer must notify Mentor Graphics in writing of any nonconformity within the warranty period. For the avoidance of doubt, this warranty applies only to the initial shipment of Software under an Order and does not renew or reset, for example, with the delivery of (a) Software updates or (b) authorization codes or alternate Software under a transaction involving Software re-mix. This warranty shall not be valid if Products have been subject to misuse, unauthorized modification, improper installation or Customer is not in compliance with this Agreement. MENTOR GRAPHICS© ENTIRE LIABILITY AND CUSTOMER©S EXCLUSIVE REMEDY SHALL BE, AT MENTOR GRAPHICS© OPTION, EITHER (A) REFUND OF THE PRICE PAID UPON RETURN OF THE PRODUCTS TO MENTOR GRAPHICS OR (B) MODIFICATION OR REPLACEMENT OF THE PRODUCTS THAT DO NOT MEET THIS LIMITED WARRANTY. MENTOR GRAPHICS MAKES NO WARRANTIES WITH RESPECT TO: (A) SERVICES; (B) PRODUCTS PROVIDED AT NO CHARGE; OR (C) BETA CODE; ALL OF WHICH ARE PROVIDED ©AS IS.©

7.2. THE WARRANTIES SET FORTH IN THIS SECTION 7 ARE EXCLUSIVE. NEITHER MENTOR GRAPHICS NOR ITS LICENSORS MAKE ANY OTHER WARRANTIES EXPRESS, IMPLIED OR STATUTORY, WITH RESPECT TO PRODUCTS PROVIDED UNDER THIS AGREEMENT. MENTOR GRAPHICS AND ITS LICENSORS SPECIFICALLY DISCLAIM ALL IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT OF INTELLECTUAL PROPERTY.

8. LIMITATION OF LIABILITY. TO THE EXTENT PERMITTED UNDER APPLICABLE LAW, IN NO EVENT SHALL

MENTOR GRAPHICS OR ITS LICENSORS BE LIABLE FOR INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES (INCLUDING LOST PROFITS OR SAVINGS) WHETHER BASED ON CONTRACT, TORT OR ANY OTHER LEGAL THEORY, EVEN IF MENTOR GRAPHICS OR ITS LICENSORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IN NO EVENT SHALL MENTOR GRAPHICS® OR ITS LICENSORS® LIABILITY UNDER THIS AGREEMENT EXCEED THE AMOUNT RECEIVED FROM CUSTOMER FOR THE HARDWARE, SOFTWARE LICENSE OR SERVICE GIVING RISE TO THE CLAIM. IN THE CASE WHERE NO AMOUNT WAS PAID, MENTOR GRAPHICS AND ITS LICENSORS SHALL HAVE NO LIABILITY FOR ANY DAMAGES WHATSOEVER. THE PROVISIONS OF THIS SECTION 8 SHALL SURVIVE THE TERMINATION OF THIS AGREEMENT.

9. THIRD PARTY CLAIMS.

9.1. Customer acknowledges that Mentor Graphics has no control over the testing of Customer's products, or the specific applications and use of Products. Mentor Graphics and its licensors shall not be liable for any claim or demand made against Customer by any third party, except to the extent such claim is covered under Section 10.

9.2. In the event that a third party makes a claim against Mentor Graphics arising out of the use of Customer's products, Mentor Graphics will give Customer prompt notice of such claim. At Customer's option and expense, Customer may take sole control of the defense and any settlement of such claim. Customer WILL reimburse and hold harmless Mentor Graphics for any LIABILITY, damages, settlement amounts, costs and expenses, including reasonable attorney's fees, incurred by or awarded against Mentor Graphics or its licensors in connection with such claims.

9.3. The provisions of this Section 9 shall survive any expiration or termination of this Agreement.

10. INFRINGEMENT.

10.1. Mentor Graphics will defend or settle, at its option and expense, any action brought against Customer in the United States, Canada, Japan, or member state of the European Union which alleges that any standard, generally supported Product acquired by Customer hereunder infringes a patent or copyright or misappropriates a trade secret in such jurisdiction. Mentor Graphics will pay costs and damages finally awarded against Customer that are attributable to such action. Customer understands and agrees that as conditions to Mentor Graphics' obligations under this section Customer must: (a) notify Mentor Graphics promptly in writing of the action; (b) provide Mentor Graphics all reasonable information and assistance to settle or defend the action; and (c) grant Mentor Graphics sole authority and control of the defense or settlement of the action.

10.2. If a claim is made under Subsection 10.1 Mentor Graphics may, at its option and expense: (a) replace or modify the Product so that it becomes noninfringing; (b) procure for Customer the right to continue using the Product; or (c) require the return of the Product and refund to Customer any purchase price or license fee paid, less a reasonable allowance for use.

10.3. Mentor Graphics has no liability to Customer if the action is based upon: (a) the combination of Software or hardware with any product not furnished by Mentor Graphics; (b) the modification of the Product other than by Mentor Graphics; (c) the use of other than a current unaltered release of Software; (d) the use of the Product as part of an infringing process; (e) a product that Customer makes, uses, or sells; (f) any Beta Code or Product provided at no charge; (g) any software provided by Mentor Graphics' licensors who do not provide such indemnification to Mentor Graphics' customers; (h) OSS, except to the extent that the infringement is directly caused by Mentor Graphics' modifications to such OSS; or (i) infringement by Customer that is deemed willful. In the case of (i), Customer shall reimburse Mentor Graphics for its reasonable attorney fees and other costs related to the action.

10.4. THIS SECTION 10 IS SUBJECT TO SECTION 8 ABOVE AND STATES THE ENTIRE LIABILITY OF MENTOR GRAPHICS AND ITS LICENSORS, AND CUSTOMER'S SOLE AND EXCLUSIVE REMEDY, FOR DEFENSE, SETTLEMENT AND DAMAGES, WITH RESPECT TO ANY ALLEGED PATENT OR COPYRIGHT INFRINGEMENT OR TRADE SECRET MISAPPROPRIATION BY ANY PRODUCT PROVIDED UNDER THIS AGREEMENT.

11. TERMINATION AND EFFECT OF TERMINATION.

11.1. If a Software license was provided for limited term use, such license will automatically terminate at the end of the authorized term. Mentor Graphics may terminate this Agreement and/or any license granted under this Agreement immediately upon written notice if Customer: (a) exceeds the scope of the license or otherwise fails to comply with the licensing or confidentiality provisions of this Agreement, or (b) becomes insolvent, files a bankruptcy petition, institutes proceedings for liquidation or winding up or enters into an agreement to assign its assets for the benefit of creditors. For any other material breach of any provision of this Agreement, Mentor Graphics may terminate this Agreement and/or any license granted under this Agreement upon 30 days written notice if Customer fails to cure the breach within the 30 day notice period. Termination of this Agreement or any license granted hereunder will not affect Customer's obligation to pay for Products shipped or licenses granted prior to the termination, which amounts shall be payable immediately upon the date of termination.

11.2. Upon termination of this Agreement, the rights and obligations of the parties shall cease except as expressly set forth in this Agreement. Upon termination of this Agreement and/or any license granted under this Agreement, Customer shall ensure that all use of the affected Products ceases, and shall return hardware and either return to Mentor Graphics or destroy Software in Customer's possession, including all copies and documentation, and certify in writing to Mentor Graphics within ten business days of the termination date that Customer no longer possesses any of the affected Products or copies of Software in any form.

12. EXPORT. The Products provided hereunder are subject to regulation by local laws and European Union (©E.U.©) and United States (©U.S.©) government agencies, which prohibit export, re-export or diversion of certain products, information about the products, and

direct or indirect products thereof, to certain countries and certain persons. Customer agrees that it will not export or re-export Products

in any manner without first obtaining all necessary approval from appropriate local, E.U. and U.S. government agencies. If Customer wishes to disclose any information to Mentor Graphics that is subject to any E.U., U.S. or other applicable export restrictions, including without limitation the U.S. International Traffic in Arms Regulations (ITAR) or special controls under the Export Administration Regulations (EAR), Customer will notify Mentor Graphics personnel, in advance of each instance of disclosure, that such information is subject to such export restrictions.

13. U.S. GOVERNMENT LICENSE RIGHTS. Software was developed entirely at private expense. The parties agree that all Software is commercial computer software within the meaning of the applicable acquisition regulations. Accordingly, pursuant to U.S. FAR 48 CFR 12.212 and DFAR 48 CFR 227.7202, use, duplication and disclosure of the Software by or for the U.S. government or a U.S. government subcontractor is subject solely to the terms and conditions set forth in this Agreement, which shall supersede any conflicting terms or conditions in any government order document, except for provisions which are contrary to applicable mandatory federal laws.

14. THIRD PARTY BENEFICIARY. Mentor Graphics Corporation, Mentor Graphics (Ireland) Limited, Microsoft Corporation and other licensors may be third party beneficiaries of this Agreement with the right to enforce the obligations set forth herein.

15. REVIEW OF LICENSE USAGE. Customer will monitor the access to and use of Software. With prior written notice and during Customer's normal business hours, Mentor Graphics may engage an internationally recognized accounting firm to review Customer's

software monitoring system and records deemed relevant by the internationally recognized accounting firm to confirm Customer's compliance with the terms of this Agreement or U.S. or other local export laws. Such review may include FlexNet (or successor product) report log files that Customer shall capture and provide at Mentor Graphics' request. Customer shall make records available in

electronic format and shall fully cooperate with data gathering to support the license review. Mentor Graphics shall bear the expense of

any such review unless a material non-compliance is revealed. Mentor Graphics shall treat as confidential information all information gained as a result of any request or review and shall only use or disclose such information as required by law or to enforce its rights under this Agreement. The provisions of this Section 15 shall survive the termination of this Agreement.

16. CONTROLLING LAW, JURISDICTION AND DISPUTE RESOLUTION. The owners of certain Mentor Graphics intellectual property licensed under this Agreement are located in Ireland and the U.S. To promote consistency around the world, disputes shall be resolved as follows: excluding conflict of laws rules, this Agreement shall be governed by and construed under the laws of the State of Oregon, U.S., if Customer is located in North or South America, and the laws of Ireland if Customer is located outside of North or South America or Japan, and the laws of Japan if Customer is located in Japan. All disputes arising out of or in relation to this Agreement shall be submitted to the exclusive jurisdiction of the courts of Portland, Oregon when the laws of Oregon apply, or Dublin, Ireland when the laws of Ireland apply, or the Tokyo District Court when the laws of Japan apply. Notwithstanding the foregoing, all disputes in Asia (excluding Japan) arising out of or in relation to this Agreement shall be resolved by arbitration in Singapore before a single arbitrator to be appointed by the chairman of the Singapore International Arbitration Centre (SIAC) to be conducted in the English language, in accordance with the Arbitration Rules of the SIAC in effect at the time of the dispute, which rules are deemed to be incorporated by reference in this section. Nothing in this section shall restrict Mentor Graphics' right to bring an action (including for example a motion for injunctive relief) against Customer in the jurisdiction where Customer's place of business is located. The United Nations Convention on Contracts for the International Sale of Goods does not apply to this Agreement.

17. SEVERABILITY. If any provision of this Agreement is held by a court of competent jurisdiction to be void, invalid, unenforceable or illegal, such provision shall be severed from this Agreement and the remaining provisions will remain in full force and effect.

18. MISCELLANEOUS. This Agreement contains the parties' entire understanding relating to its subject matter and supersedes all prior

or contemporaneous agreements. Any translation of this Agreement is provided to comply with local legal requirements only. In the event of a dispute between the English and any non-English versions, the English version of this Agreement shall govern to the extent not prohibited by local law in the applicable jurisdiction. This Agreement may only be modified in writing, signed by an authorized representative of each party. Waiver of terms or excuse of breach must be in writing and shall not constitute subsequent consent, waiver or excuse.

Rev. 170330, Part No. 270941

Copyright 1993-1997 Lucent Technologies

Copyright ActiveState Corporation et al

Copyright 1992-2006 by Concept Engineering GmbH. All rights reserved.

Copyright (c) 1998 Paul Duffin.

Copyright 1994 Borland Intl

Copyright 1993-1994 Lockheed Missile & Space Co AI Center

Copyright 2000 Ajuba Solutions Contributions from Don Porter NIST
Copyright (c) 1995-1997 Roger E. Critchlow Jr
Copyright Borland International
Copyright 1995-2004 Regents of the University of Colorado
1999 Copyright URW Software
copyright as the man pages. Sep 14 1996
Copyright 1998-1999 Henry Spencer
Copyright 1996-2007 Julian Seward <jseward@bzip.org>
Copyright 1997 URW
Copyright 1999 Xilinx Corp. Xilinx begin
Copyright 1995-1996, 2008 IEEE
Copyright 1993 Mentor Graphics -- -- --
Copyright 1997-2006 Easy Software Products All Rights Reserved.
Copyright 2005, 2008 Niklas Sorensson
Copyright (c) 1998-2000 Ajuba Solutions. Contributions from Don Porter NIST
Copyright 1990-1992, 1996-2000, 2007 Synopsys Inc
Copyright 2001-2003 Kevin B. Kenny
Copyright 2008-2013, 2015 Xilinx Inc
Copyright 1996-2007 Julian Seward
Copyright 2001-2002 Vincent Darley
Copyright (c) 1995 Dave Nebinger.
Copyright 1995-2010 Jean-loup Gailly and Mark Adler
Copyright 1997 American Mathematical Society
Copyright 1996-2001 ASCII Corp.(www-ptex@ascii.co.jp) based on dvipsk
Copyright 1995 General Electric Co
Copyright 2004-2011 Oasys Design Systems Inc
Copyright 1999 Radical Eye Software
Copyright 2001-2002, 2004 ActiveState Corp
Copyright 1984, 1989-1990, 1992-2003 Free Software Foundation Inc
Copyright 1994-1996 Synplicity Inc
Copyright 2000-2001, 2003 Synopsys
Copyright 1998 Mark Harrison
Copyright 1993-1998 Lucent Technologies Inc
Copyright (c) 2000 Andreas Kupries. All rights reserved.
Copyright (c) 1993-94 Lockheed Missile & Space Company
Copyright 1992 HELIOS Software GmbH
Copyright 1992 Regents of the University of California. --
Copyright 1982-1991 Mentor Graphics Corp
Copyright (c) 1999-2000 Andreas Kupries (a.kupries@westend.com)
Copyright 1982-1983, 1986, 1988-1989 Regents of the University of California
Copyright 1997 by URW URW Software
Copyright 1993-1997 Bell Labs Innovations for Lucent Technologies
Copyright 1990-1992 Synopsys Inc. -- --
Copyright 2000-2004 Martin C. Shepherd
Copyright 1999-2013 Verific Design Automation Inc
Copyright 1997 Cadence Design Systems Inc
Copyright 1993-2000 Sun Microsystems Inc
Copyright (c) 1998 Sun Microsystems Inc. puts
Copyright 1996-2007 Julian R Seward
Copyright 1995-2010 Mark Adler
Copyright (C) 1999 America Online Inc.
Copyright 1995, 2001 Apple Computer Inc
Copyright 1993-1994 Exemplar Logic Inc
Copyright 2001-2002 Donal K. Fellows
Copyright 1998-2000 Scriptics Corp. Contributions from Don Porter NIST
Copyright 2001-2002 David Gravereaux
Copyright 1992-1993, 1995-1996 Jens-Uwe Mager Helios Software GmbH Not derived from
Copyright 1997-2000 Ajuba Solutions

Copyright 2002 Radical Eye Software Title cudd.dvi Pages
Copyright 1991 the Massachusetts Institute of Technology
Copyright 2000 Ajuba Solutions HLP
2001 Tcl Core Team
Copyright (c) 1996 Lucent Technologies and Jim Ingham
Copyright 1995-2010 Jean-loup Gailly detect
Copyright 1998-2000 Scriptics Corp
Copyright 1994-1996 Synplicity Inc. --
Copyright 1994-1996 Synplicity Inc. -- --
Copyright 1998 Scritpics Corp
Copyright 1987-1994 The Regents of the University of California
Copyright 1995-2010 Jean-loup Gailly
Copyright (c) 2001 ActiveState Tool Corp.

The text of the GNU General Public License, Version 2 (June 1991), a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

Certain source files distributed by Oracle America and/or its affiliates are subject to the following clarification and special exception to the GPL, but the words "Oracle designates this particular file as subject to the "Classpath" exception as provided by Oracle in the LICENSE file that accompanied this code."

As a special exception, the copyright holders of this library give you permission to link this library with independent modules to produce an executable, regardless of the license terms of these independent modules, and to copy and distribute the resulting executable under terms of your choice, provided that you also meet, for each linked independent module, the terms and conditions of the license of that module. An independent module is a module which is not derived from or based on this library. If you modify this library, you may extend this exception to your version of the library, but you are not obligated to do so. If you do not wish to do so, delete this exception statement from your version.

>>>> LGPL 2.1

The text of the GNU Lesser General Public License, Version 2.1, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

>>>> BSD 3

Copyright (c) 2007, 2013, Oracle and/or its affiliates. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- Neither the name of Oracle nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

>>>> MIT License Expat

- * Copyright 2000 Computing Research Labs, New Mexico State University
- * Copyright 2001-2015
- * Francesco Zappa Nardelli
- *

- * Permission is hereby granted, free of charge, to any person obtaining a
- * copy of this software and associated documentation files (the "Software"),
- * to deal in the Software without restriction, including without limitation
- * the rights to use, copy, modify, merge, publish, distribute, sublicense,
- * and/or sell copies of the Software, and to permit persons to whom the
- * Software is furnished to do so, subject to the following conditions:
- *

- * The above copyright notice and this permission notice shall be included in
- * all copies or substantial portions of the Software.
- *

- * THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
- * IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
- * FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL
- * THE COMPUTING RESEARCH LAB OR NEW MEXICO STATE UNIVERSITY BE LIABLE FOR ANY
- * CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT
- * OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR

[Public]

* THE USE OR OTHER DEALINGS IN THE SOFTWARE.

*/

>>>> Public domain

* This is an OpenSSL-compatible implementation of the RSA Data Security, Inc.

* MD5 Message-Digest Algorithm (RFC 1321).

*

* Homepage:

* <http://openwall.info/wiki/people/solar/software/public-domain-source-code/md5>

*

* Author:

* Alexander Peslyak, better known as Solar Designer <solar at openwall.com>

*

* This software was written by Alexander Peslyak in 2001. No copyright is

* claimed, and the software is hereby placed in the public domain.

* In case this attempt to disclaim copyright and place the software in the

* public domain is deemed null and void, then the software is

* Copyright (c) 2001 Alexander Peslyak and it is hereby released to the

* general public under the following terms:

*

* Redistribution and use in source and binary forms, with or without

* modification, are permitted.

*

* There's ABSOLUTELY NO WARRANTY, express or implied.

*

* (This is a heavily cut-down "BSD license".)

*

* This differs from Colin Plumb's older public domain implementation in that

* no exactly 32-bit integer data type is required (any 32-bit or wider

* unsigned integer data type will do), there's no compile-time endianness

* configuration, and the function prototypes match OpenSSL's. No code from

* Colin Plumb's implementation has been reused; this comment merely compares

* the properties of the two independent implementations.

*

* The primary goals of this implementation are portability and ease of use.

* It is meant to be fast, but not as fast as possible. Some known

* optimizations are not included to reduce source code size and avoid

* compile-time configuration.

>>>> Apache v2

The text of the Apache License, Version 2.0, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

>>>> W3C license

W3C SOFTWARE NOTICE AND LICENSE

<http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231>

This work (and included software, documentation such as READMEs, or other related items) is being provided by the copyright holders under the following license. By obtaining, using and/or copying this work, you (the licensee) agree that you have read, understood, and will comply with the following terms and conditions.

Permission to copy, modify, and distribute this software and its

documentation, with or without modification, for any purpose and without fee or royalty is hereby granted, provided that you include the following on ALL copies of the software and documentation or portions thereof, including modifications:

- 1.The full text of this NOTICE in a location viewable to users of the redistributed or derivative work.
- 2.Any pre-existing intellectual property disclaimers, notices, or terms and conditions. If none exist, the W3C Software Short Notice should be included (hypertext is preferred, text is permitted) within the body of any redistributed or derivative code.
- 3.Notice of any changes or modifications to the files, including the date changes were made. (We recommend you provide URLs to the location from which the code is derived.)

THIS SOFTWARE AND DOCUMENTATION IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS MAKE NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE OR DOCUMENTATION WILL NOT INFRINGE ANY THIRD PARTY PATENTS,COPYRIGHTS, TRADEMARKS OR OTHER RIGHTS.

COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE SOFTWARE OR DOCUMENTATION. The name and trademarks of copyright holders may NOT be used in advertising or publicity pertaining to the software without specific, written prior permission. Title to copyright in this software and any associated documentation will at all times remain with copyright holders.

This formulation of W3C's notice and license became active on December 31 2002. This version removes the copyright ownership notice such that this license can be used with materials other than those owned by the W3C, reflects that ERCIM is now a host of the W3C, includes references to this specific dated version of the license, and removes the ambiguous grant of "use". Otherwise, this version is the same as the previous version and is written so as to preserve the Free Software Foundation's assessment of GPL compatibility and OSI's certification under the Open Source Definition. Please see our Copyright FAQ for common questions about using materials from our site, including specific terms and conditions for packages like libwww, Amaya, and Jigsaw. Other questions about this notice can be directed to site-policy@w3.org.

>>>> Cryptix general license

Cryptix General License

Copyright (c) 1995-2005 The Cryptix Foundation Limited.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE CRYPTIX FOUNDATION LIMITED AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE CRYPTIX FOUNDATION LIMITED OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

>>>> GPL v3

The text of the GNU General Public License, Version 3 (June 2007), a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

>>>> GPL v2

The text of the GNU General Public License, Version 2 (June 1991), a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

>>>> FreeType license

```
/* ANSI-specific library and header configuration file (specification */
/* only). */
/* */
/* Copyright 2002-2018 by */
/* David Turner, Robert Wilhelm, and Werner Lemberg. */
/* */
/* This file is part of the FreeType project, and may only be used, */
/* modified, and distributed under the terms of the FreeType project */
/* license, LICENSE.TXT. By continuing to use, modify, or distribute */
/* this file you indicate that you have read the license and */
/* understand and accept it fully. */
/*
```

>>>> ISC license

```
/*
 * Copyright (C) 2012 Grigori Goronzy <greg@kinoho.net>
 *
 * Permission to use, copy, modify, and/or distribute this software for any
 * purpose with or without fee is hereby granted, provided that the above
 * copyright notice and this permission notice appear in all copies.
 *
 * THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES
 * WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF
 * MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR
 * ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES
```

[Public]

* WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN
* ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF
* OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.
*/

>>>> libpng license

This copy of the libpng notices is provided for your convenience. In case of any discrepancy between this copy and the notices in the file png.h that is included in the libpng distribution, the latter shall prevail.

COPYRIGHT NOTICE, DISCLAIMER, and LICENSE:

If you modify libpng you may insert additional notices immediately following this sentence.

This code is released under the libpng license.

libpng versions 1.0.7, July 1, 2000 through 1.6.35, July 15, 2018 are Copyright (c) 2000-2002, 2004, 2006-2018 Glenn Randers-Pehrson, are derived from libpng-1.0.6, and are distributed according to the same disclaimer and license as libpng-1.0.6 with the following individuals added to the list of Contributing Authors:

Simon-Pierre Cadieux
Eric S. Raymond
Mans Rullgard
Cosmin Truta
Gilles Vollant
James Yu
Mandar Sahastrabuddhe
Google Inc.
Vadim Barkov

and with the following additions to the disclaimer:

There is no warranty against interference with your enjoyment of the library or against infringement. There is no warranty that our efforts or the library will fulfill any of your particular purposes or needs. This library is provided with all faults, and the entire risk of satisfactory quality, performance, accuracy, and effort is with the user.

Some files in the "contrib" directory and some configure-generated files that are distributed with libpng have other copyright owners and are released under other open source licenses.

libpng versions 0.97, January 1998, through 1.0.6, March 20, 2000, are Copyright (c) 1998-2000 Glenn Randers-Pehrson, are derived from libpng-0.96, and are distributed according to the same disclaimer and license as libpng-0.96, with the following individuals added to the list of Contributing Authors:

Tom Lane
Glenn Randers-Pehrson
Willem van Schaik

libpng versions 0.89, June 1996, through 0.96, May 1997, are Copyright (c) 1996-1997 Andreas Dilger, are derived from libpng-0.88, and are distributed according to the same disclaimer and license as libpng-0.88, with the following individuals added to the list of Contributing Authors:

John Bowler
Kevin Bracey
Sam Bushell
Magnus Holmgren
Greg Roelofs
Tom Tanner

Some files in the "scripts" directory have other copyright owners but are released under this license.

libpng versions 0.5, May 1995, through 0.88, January 1996, are Copyright (c) 1995-1996 Guy Eric Schalnat, Group 42, Inc.

For the purposes of this copyright and license, "Contributing Authors" is defined as the following set of individuals:

Andreas Dilger
Dave Martindale
Guy Eric Schalnat
Paul Schmidt
Tim Wegner

The PNG Reference Library is supplied "AS IS". The Contributing Authors and Group 42, Inc. disclaim all warranties, expressed or implied, including, without limitation, the warranties of merchantability and of fitness for any purpose. The Contributing Authors and Group 42, Inc. assume no liability for direct, indirect, incidental, special, exemplary, or consequential damages, which may result from the use of the PNG Reference Library, even if advised of the possibility of such damage.

Permission is hereby granted to use, copy, modify, and distribute this source code, or portions hereof, for any purpose, without fee, subject to the following restrictions:

1. The origin of this source code must not be misrepresented.
2. Altered versions must be plainly marked as such and must not be misrepresented as being the original source.
3. This Copyright notice may not be removed or altered from any source or altered source distribution.

The Contributing Authors and Group 42, Inc. specifically permit, without fee, and encourage the use of this source code as a component to supporting the PNG file format in commercial products. If you use this source code in a product, acknowledgment is not required but would be appreciated.

END OF COPYRIGHT NOTICE, DISCLAIMER, and LICENSE.

TRADEMARK:

The name "libpng" has not been registered by the Copyright owner as a trademark in any jurisdiction. However, because libpng has been distributed and maintained world-wide, continually since 1995, the Copyright owner claims "common-law trademark protection" in any jurisdiction where common-law trademark is recognized.

OSI CERTIFICATION:

Libpng is OSI Certified Open Source Software. OSI Certified Open Source is a certification mark of the Open Source Initiative. OSI has not addressed the additional disclaimers inserted at version 1.0.7.

EXPORT CONTROL:

The Copyright owner believes that the Export Control Classification Number (ECCN) for libpng is EAR99, which means not subject to export controls or International Traffic in Arms Regulations (ITAR) because it is open source, publicly available software, that does not contain any encryption software. See the EAR, paragraphs 734.3(b)(3) and 734.7(b).

Glenn Randers-Pehrson
glennrp at users.sourceforge.net
July 15, 2018

>>>> Unicode license

* Copyright (c) 2005, 2013, Oracle and/or its affiliates. All rights reserved.

*/

/*

* COPYRIGHT AND PERMISSION NOTICE

*

* Copyright (C) 1991-2012 Unicode, Inc. All rights reserved. Distributed under
* the Terms of Use in <http://www.unicode.org/copyright.html>.

*

* Permission is hereby granted, free of charge, to any person obtaining a copy
* of the Unicode data files and any associated documentation (the "Data
* Files") or Unicode software and any associated documentation (the
* "Software") to deal in the Data Files or Software without restriction,
* including without limitation the rights to use, copy, modify, merge,
* publish, distribute, and/or sell copies of the Data Files or Software, and
* to permit persons to whom the Data Files or Software are furnished to do so,
* provided that (a) the above copyright notice(s) and this permission notice
* appear with all copies of the Data Files or Software, (b) both the above
* copyright notice(s) and this permission notice appear in associated
* documentation, and (c) there is clear notice in each modified Data File or
* in the Software as well as in the documentation associated with the Data
* File(s) or Software that the data or software has been modified.

*

* THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY
* KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
* MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF
* THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS
* INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR
* CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE,
* DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER
* TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE

[Public]

* OF THE DATA FILES OR SOFTWARE.

*

* Except as contained in this notice, the name of a copyright holder shall not
* be used in advertising or otherwise to promote the sale, use or other
* dealings in these Data Files or Software without prior written authorization
* of the copyright holder.

*/

>>>> zlib 1.2.11

/*

* DO NOT ALTER OR REMOVE COPYRIGHT NOTICES OR THIS FILE HEADER.

*

* This code is free software; you can redistribute it and/or modify it
* under the terms of the GNU General Public License version 2 only, as
* published by the Free Software Foundation. Oracle designates this
* particular file as subject to the "Classpath" exception as provided
* by Oracle in the LICENSE file that accompanied this code.

*

* This code is distributed in the hope that it will be useful, but WITHOUT
* ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or
* FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License
* version 2 for more details (a copy is included in the LICENSE file that
* accompanied this code).

*

* You should have received a copy of the GNU General Public License version
* 2 along with this work; if not, write to the Free Software Foundation,
* Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA.

*

* Please contact Oracle, 500 Oracle Parkway, Redwood Shores, CA 94065 USA
* or visit www.oracle.com if you need additional information or have any
* questions.

*/

/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.11, January 15th, 2017

Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler

This software is provided 'as-is', without any express or implied
warranty. In no event will the authors be held liable for any damages
arising from the use of this software.

Permission is granted to anyone to use this software for any purpose,
including commercial applications, and to alter it and redistribute it
freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not
claim that you wrote the original software. If you use this software
in a product, an acknowledgment in the product documentation would be
appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be
misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

Jean-loup Gailly Mark Adler
jloup@gzip.org madler@alumni.caltech.edu

[Public]

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://tools.ietf.org/html/rfc1950> (zlib format), [rfc1951](http://tools.ietf.org/html/rfc1951) (deflate format) and [rfc1952](http://tools.ietf.org/html/rfc1952) (gzip format).

*/

>>>>> libjpeg

/*

* Copyright (c) 2000, 2016, Oracle and/or its affiliates. All rights reserved.

* DO NOT ALTER OR REMOVE COPYRIGHT NOTICES OR THIS FILE HEADER.

*

* This code is free software; you can redistribute it and/or modify it

* under the terms of the GNU General Public License version 2 only, as

* published by the Free Software Foundation. Oracle designates this

* particular file as subject to the "Classpath" exception as provided

* by Oracle in the LICENSE file that accompanied this code.

*

* This code is distributed in the hope that it will be useful, but WITHOUT

* ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or

* FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License

* version 2 for more details (a copy is included in the LICENSE file that

* accompanied this code).

*

* You should have received a copy of the GNU General Public License version

* 2 along with this work; if not, write to the Free Software Foundation,

* Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA.

*

* Please contact Oracle, 500 Oracle Parkway, Redwood Shores, CA 94065 USA

* or visit www.oracle.com if you need additional information or have any

* questions.

*/

/*

* This file contains the code to link the Java Image I/O JPEG plug-in

* to the IJG library used to read and write JPEG files. Much of it has

* been copied, updated, and annotated from the jpegdecoder.c AWT JPEG

* decoder. Where that code was unclear, the present author has either

* rewritten the relevant section or commented it for the sake of future

* maintainers.

*

* In particular, the way the AWT code handled progressive JPEGs seems

* to me to be only accidentally correct and somewhat inefficient. The

* scheme used here represents the way I think it should work. (REV 11/00)

*/

LEGAL ISSUES

=====

In plain English:

1. We don't promise that this software works. (But if you find any bugs, please let us know!)
2. You can use this software for whatever you want. You don't have to pay us.
3. You may not pretend that you wrote this software. If you use it in a program, you must acknowledge somewhere in your documentation that you've used the IJG code.

In legalese:

The authors make NO WARRANTY or representation, either express or implied, with respect to this software, its quality, accuracy, merchantability, or fitness for a particular purpose. This software is provided "AS IS", and you, its user, assume the entire risk as to its quality and accuracy.

This software is copyright (C) 1991-1998, Thomas G. Lane.
All Rights Reserved except as specified below.

Permission is hereby granted to use, copy, modify, and distribute this software (or portions thereof) for any purpose, without fee, subject to these conditions:

- (1) If any part of the source code for this software is distributed, then this README file must be included, with this copyright and no-warranty notice unaltered; and any additions, deletions, or changes to the original files must be clearly indicated in accompanying documentation.
- (2) If only executable code is distributed, then the accompanying documentation must state that "this software is based in part on the work of the Independent JPEG Group".
- (3) Permission for use of this software is granted only if the user accepts full responsibility for any undesirable consequences; the authors accept NO LIABILITY for damages of any kind.

These conditions apply to any software derived from or based on the IJG code, not just to the unmodified library. If you use our work, you ought to acknowledge us.

Permission is NOT granted for the use of any IJG author's name or company name in advertising or publicity relating to this software or products derived from it. This software may be referred to only as "the Independent JPEG Group's software".

We specifically permit and encourage the use of this software as the basis of commercial products, provided that all warranty or liability claims are assumed by the product vendor.

ansi2knr.c is included in this distribution by permission of L. Peter Deutsch, sole proprietor of its copyright holder, Aladdin Enterprises of Menlo Park, CA. ansi2knr.c is NOT covered by the above copyright and conditions, but instead by the usual distribution terms of the Free Software Foundation; principally, that you must include source code if you redistribute it. (See the file ansi2knr.c for full details.) However, since ansi2knr.c is not needed as part of any program generated from the IJG code, this does not limit you more than the foregoing paragraphs do.

The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltconfig, ltmain.sh). Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining

code.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

We are required to state that

"The Graphics Interchange Format(c) is the Copyright property of CompuServe Incorporated. GIF(sm) is a Service Mark property of CompuServe Incorporated."

>>>> Igalia S.L

```
/*
 * Copyright Â© 2016 Igalia S.L.
 *
 * This is part of HarfBuzz, a text shaping library.
 *
 * Permission is hereby granted, without written agreement and without
 * license or royalty fees, to use, copy, modify, and distribute this
 * software and its documentation for any purpose, provided that the
 * above copyright notice and the following two paragraphs appear in
 * all copies of this software.
 *
 * IN NO EVENT SHALL THE COPYRIGHT HOLDER BE LIABLE TO ANY PARTY FOR
 * DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES
 * ARISING OUT OF THE USE OF THIS SOFTWARE AND ITS DOCUMENTATION, EVEN
 * IF THE COPYRIGHT HOLDER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
 * DAMAGE.
 *
 * THE COPYRIGHT HOLDER SPECIFICALLY DISCLAIMS ANY WARRANTIES, INCLUDING,
 * BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND
 * FITNESS FOR A PARTICULAR PURPOSE. THE SOFTWARE PROVIDED HEREUNDER IS
 * ON AN "AS IS" BASIS, AND THE COPYRIGHT HOLDER HAS NO OBLIGATION TO
 * PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.
 *
 * Igalia Author(s): FrÃ©dÃ©ric Wang
 */
```

>>>> Graz University of Technology

```
*/
/* Copyright (c) 2002 Graz University of Technology. All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions are met:
 *
 * 1. Redistributions of source code must retain the above copyright notice,
 * this list of conditions and the following disclaimer.
 *
 * 2. Redistributions in binary form must reproduce the above copyright notice,
 * this list of conditions and the following disclaimer in the documentation
 * and/or other materials provided with the distribution.
 *
 * 3. The end-user documentation included with the redistribution, if any, must
```

- * include the following acknowledgment:
- *
- * "This product includes software developed by IAIK of Graz University of Technology."
- *
- * Alternately, this acknowledgment may appear in the software itself, if and wherever such third-party acknowledgments normally appear.
- *
- * 4. The names "Graz University of Technology" and "IAIK of Graz University of Technology" must not be used to endorse or promote products derived from this software without prior written permission.
- *
- * 5. Products derived from this software may not be called "IAIK PKCS Wrapper", nor may "IAIK" appear in their name, without prior written permission of Graz University of Technology.
- *
- * THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE LICENSOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
- */

>>>> Red Hat Inc

- * Copyright © 2009 Red Hat, Inc.
- *
- * This is part of HarfBuzz, a text shaping library.
- *
- * Permission is hereby granted, without written agreement and without license or royalty fees, to use, copy, modify, and distribute this software and its documentation for any purpose, provided that the above copyright notice and the following two paragraphs appear in all copies of this software.
- *
- * IN NO EVENT SHALL THE COPYRIGHT HOLDER BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS SOFTWARE AND ITS DOCUMENTATION, EVEN IF THE COPYRIGHT HOLDER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
- *
- * THE COPYRIGHT HOLDER SPECIFICALLY DISCLAIMS ANY WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE SOFTWARE PROVIDED HEREUNDER IS ON AN "AS IS" BASIS, AND THE COPYRIGHT HOLDER HAS NO OBLIGATION TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.
- *
- * Red Hat Author(s): Behdad Esfahbod
- */

>>>> Dynalink License

Copyright (c) 2009-2013, Attila Szegedi

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of the copyright holder nor the names of contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL COPYRIGHT HOLDER BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

>>>> Khronos Group License

Copyright (c) 2007 The Khronos Group Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and/or associated documentation files (the "Materials"), to deal in the Materials without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Materials, and to permit persons to whom the Materials are furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Materials.

THE MATERIALS ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE MATERIALS OR THE USE OR OTHER DEALINGS IN THE MATERIALS.

>>>> CUP Parser Generator License

Copyright 1996-1999 by Scott Hudson, Frank Flannery, C. Scott Ananian

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both the copyright notice and this permission notice and warranty disclaimer

appear in supporting documentation, and that the names of the authors or their employers not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

The authors and their employers disclaim all warranties with regard to this software, including all implied warranties of merchantability and fitness. In no event shall the authors or their employers be liable for any special, indirect or consequential damages or any damages whatsoever resulting from loss of use, data or profits, whether in an action of contract, negligence or other tortious action, arising out of or in connection with the use or performance of this software.

>>>> Google

```
/*
 * Copyright © 2016 Google, Inc.
 *
 * This is part of HarfBuzz, a text shaping library.
 *
 * Permission is hereby granted, without written agreement and without
 * license or royalty fees, to use, copy, modify, and distribute this
 * software and its documentation for any purpose, provided that the
 * above copyright notice and the following two paragraphs appear in
 * all copies of this software.
 *
 * IN NO EVENT SHALL THE COPYRIGHT HOLDER BE LIABLE TO ANY PARTY FOR
 * DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES
 * ARISING OUT OF THE USE OF THIS SOFTWARE AND ITS DOCUMENTATION, EVEN
 * IF THE COPYRIGHT HOLDER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
 * DAMAGE.
 *
 * THE COPYRIGHT HOLDER SPECIFICALLY DISCLAIMS ANY WARRANTIES, INCLUDING,
 * BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND
 * FITNESS FOR A PARTICULAR PURPOSE. THE SOFTWARE PROVIDED HEREUNDER IS
 * ON AN "AS IS" BASIS, AND THE COPYRIGHT HOLDER HAS NO OBLIGATION TO
 * PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.
 *
 * Google Author(s): Seigo Nonaka
 */
```

Copyright 2002 Graz University of Technology

Copyright 1996-2018 Just van Rossum David Turner Robert Wilhelm and Werner Lemberg

Copyright 1995-2017 Mark Adler

Copyright 2005 World Wide Web Consortium

1991-2015 Unicode Inc. CLDR data files are interpreted according to the LDML specification (<http://unicode.org/reports/tr35/>) For terms of use see <http://www.unicode.org/copyright.html> Reviewed by Waris Abdukerim Janbaz <oyghan@gmail.com> of the Uyghur Computer Science Association <http://ukij.org> -->

Copyright (c) 2002-2006 Marc Prud'hommeaux <mwp1@cornell.edu> All rights reserved.

Copyright 2003-2018 by Masatake YAMATO Redhat K.K. David Turner Robert Wilhelm and Werner Lemberg.

Copyright 2003-2015 Unicode Inc. and others

Copyright 1997 Eric S. Raymond

Copyright 1991-2016 Unicode Inc. CLDR data files are interpreted according to the LDML specification

Copyright 2007-2018 by Dereg Clegg and Michael Toftdal.

Copyright 2008 2010 Nokia Corporation and or its subsidiary

copyright year in scripts/pngwin.rc from 2006 to 2009

Copyright 1999, 2003 IBM Corp

Copyright (C) 2006 Project

Copyright (C) 1998 by the FundsXpress INC.

Copyright 2004-2015 Paul R. Holser Jr
(C) International Organization for Standardization 1986
Copyright (C) 1998 National Electronics and Computer Technology Center National Science and Technology Development Agency
Ministry of Science Technology and Environment
Copyright 2012 Grigori Goronzy <greg@kinoho.net>
Copyright 2012-2016, 2018 SAP SE
Copyright 2002 software-
Copyright 1999, 2001-2002 Sun Microsystems
Copyright 2000 Compaq Computer Corporation Inc.
Copyright 1999-2005 The Apache Software Foundation
1991-2015 Unicode Inc. Unicode and the Unicode Logo are registered trademarks of Unicode Inc. in the U.S. and other countries. For
terms of use see <http://www.unicode.org>
copyright (c) 1999-2002 Lotus Development Corporation. <http://www.lotus.com>. - software
Copyright 2007-2018 Derek Clegg and Michael Toftdal
Copyright 2015 jQuery Foundation and other contributors
Copyright (C) 1982 The Royal Institute Thai Royal Government.
Copyright Eastman Kodak Company 1991-2003
Copyright 1806, 1998-1999, 2006-2008 VeriSign Inc. - For authorized
Copyright 2003 Apple Computer Inc
Copyright 2006 Behdad Esfahbod
© 1999
Copyright 1604, 2007-2008 GeoTrust Inc. - For authorized
Copyright 2004-2018 Masatake YAMATO and Redhat K.K
Copyright 1999-2004 David Corcoran <corcoran@linuxnet.com>
Copyright 2005, 2007-2018 David Turner
Copyright (c) 2000-2011 France Telecom All rights reserved.
Copyright 1998-2004 David Turner and Werner Lemberg
Copyright 2016 Igalia S.L.
Copyright 1999-2002 Brian Paul
Copyright 2009 Keith Stribley
Copyright (c) 1999-2004 Ludovic Rousseau
Copyright 1991-2014 Unicode Inc. CLDR data files are interpreted according to the LDML specification
Copyright 1994-2000, 2003 the Initial Developer
Copyright 1994, 1998 Hewlett-Packard Co
Copyright 2009 Martin Hosken and SIL International
Copyright (C) 1995-2017 Jean-loup Gailly detect
Copyright 2002 Hewlett-Packard Company Inc.
copyright 1995 by Jeff Dinkins.
Copyright (c) 2009-2013 Attila Szegedi
Copyright 2002 Hewlett Packard Inc.
Copyright 2004, 2007-2010, 2013-2014, 2017 Red Hat Inc
Copyright 1995-2017 Jean-loup Gailly
copyright 1995 by Jeff Dinkins. Unauthorized reproduction is prohibited.
Copyright 2007 Chris Wilson
Copyright 2012-2013, 2015 Mozilla Foundation
Copyright 1991, 1999 Free Software Foundation Inc
Copyright 2009-2018 Oran Agra and Mickey Gabel
Copyright (c) 1995-2005 The Cryptix Foundation Limited. All rights reserved.
Copyright 1991-1998 Thomas G. Lane
Copyright 1993-1994, 1996 X Consortium
(C) Vladislav Malyshev 2010
Copyright 2004-2018 by Masatake YAMATO Red Hat K.K. David Turner Robert Wilhelm and Werner Lemberg.
Copyright (c) 1998-2011 Marti Maria Saguer
Copyright 2007 The Khronos Group Inc
Copyright (C) 2001 I/O All Rights Reserved.
Copyright 2003 Sun Microsystems Inc.
Copyright 1995-1996 Guy Eric Schalnat Group
Copyright 1995-2016 Jean-loup Gailly Mark Adler

>>>> LGPL 2.1

The text of the GNU Lesser General Public License, Version 2.1, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

>>>> BSD 3

Copyright (c) 2007, 2013, Oracle and/or its affiliates. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- Neither the name of Oracle nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

>>>> MIT License Expat

- * Copyright 2000 Computing Research Labs, New Mexico State University
- * Copyright 2001-2015
- * Francesco Zappa Nardelli
- *
- * Permission is hereby granted, free of charge, to any person obtaining a
- * copy of this software and associated documentation files (the "Software"),
- * to deal in the Software without restriction, including without limitation
- * the rights to use, copy, modify, merge, publish, distribute, sublicense,
- * and/or sell copies of the Software, and to permit persons to whom the
- * Software is furnished to do so, subject to the following conditions:
- *
- * The above copyright notice and this permission notice shall be included in
- * all copies or substantial portions of the Software.
- *
- * THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
- * IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
- * FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL
- * THE COMPUTING RESEARCH LAB OR NEW MEXICO STATE UNIVERSITY BE LIABLE FOR ANY
- * CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT

[Public]

* OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR
* THE USE OR OTHER DEALINGS IN THE SOFTWARE.
*/

>>>> Public domain

* This is an OpenSSL-compatible implementation of the RSA Data Security, Inc.
* MD5 Message-Digest Algorithm (RFC 1321).
*
* Homepage:
* <http://openwall.info/wiki/people/solar/software/public-domain-source-code/md5>
*
* Author:
* Alexander Peslyak, better known as Solar Designer <solar at openwall.com>
*
* This software was written by Alexander Peslyak in 2001. No copyright is
* claimed, and the software is hereby placed in the public domain.
* In case this attempt to disclaim copyright and place the software in the
* public domain is deemed null and void, then the software is
* Copyright (c) 2001 Alexander Peslyak and it is hereby released to the
* general public under the following terms:
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted.
*
* There's ABSOLUTELY NO WARRANTY, express or implied.
*
* (This is a heavily cut-down "BSD license".)
*
* This differs from Colin Plumb's older public domain implementation in that
* no exactly 32-bit integer data type is required (any 32-bit or wider
* unsigned integer data type will do), there's no compile-time endianness
* configuration, and the function prototypes match OpenSSL's. No code from
* Colin Plumb's implementation has been reused; this comment merely compares
* the properties of the two independent implementations.
*
* The primary goals of this implementation are portability and ease of use.
* It is meant to be fast, but not as fast as possible. Some known
* optimizations are not included to reduce source code size and avoid
* compile-time configuration.

>>>> Apache v2

The text of the Apache License, Version 2.0, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

>>>> W3C license

W3C SOFTWARE NOTICE AND LICENSE

<http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231>

This work (and included software, documentation such as READMEs, or other related items) is being provided by the copyright holders under the following license. By obtaining, using and/or copying this work, you (the licensee) agree that you have read, understood, and will comply with the following terms and conditions.

Permission to copy, modify, and distribute this software and its documentation, with or without modification, for any purpose and without fee or royalty is hereby granted, provided that you include the following on ALL copies of the software and documentation or portions thereof, including modifications:

- 1.The full text of this NOTICE in a location viewable to users of the redistributed or derivative work.
- 2.Any pre-existing intellectual property disclaimers, notices, or terms and conditions. If none exist, the W3C Software Short Notice should be included (hypertext is preferred, text is permitted) within the body of any redistributed or derivative code.
- 3.Notice of any changes or modifications to the files, including the date changes were made. (We recommend you provide URIs to the location from which the code is derived.)

THIS SOFTWARE AND DOCUMENTATION IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS MAKE NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE OR DOCUMENTATION WILL NOT INFRINGE ANY THIRD PARTY PATENTS,COPYRIGHTS, TRADEMARKS OR OTHER RIGHTS.

COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE SOFTWARE OR DOCUMENTATION. The name and trademarks of copyright holders may NOT be used in advertising or publicity pertaining to the software without specific, written prior permission. Title to copyright in this software and any associated documentation will at all times remain with copyright holders.

This formulation of W3C's notice and license became active on December 31 2002. This version removes the copyright ownership notice such that this license can be used with materials other than those owned by the W3C, reflects that ERCIM is now a host of the W3C, includes references to this specific dated version of the license, and removes the ambiguous grant of "use". Otherwise, this version is the same as the previous version and is written so as to preserve the Free Software Foundation's assessment of GPL compatibility and OSI's certification under the Open Source Definition. Please see our Copyright FAQ for common questions about using materials from our site, including specific terms and conditions for packages like libwww, Amaya, and Jigsaw. Other questions about this notice can be directed to site-policy@w3.org.

>>>> Cryptix general license

Cryptix General License

Copyright (c) 1995-2005 The Cryptix Foundation Limited.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the copyright notice,

this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE CRYPTIX FOUNDATION LIMITED AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE CRYPTIX FOUNDATION LIMITED OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

>>>> GPL v3

The text of the GNU General Public License, Version 3 (June 2007), a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

>>>> GPL v2

The text of the GNU General Public License, Version 2 (June 1991), a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

>>>> FreeType license

```
/* ANSI-specific library and header configuration file (specification */
/* only). */
/* */
/* Copyright 2002-2018 by */
/* David Turner, Robert Wilhelm, and Werner Lemberg. */
/* */
/* This file is part of the FreeType project, and may only be used, */
/* modified, and distributed under the terms of the FreeType project */
/* license, LICENSE.TXT. By continuing to use, modify, or distribute */
/* this file you indicate that you have read the license and */
/* understand and accept it fully. */
/*
```

>>>> ISC license

```
/*
 * Copyright (C) 2012 Grigori Goronzy <greg@kinoho.net>
 *
 * Permission to use, copy, modify, and/or distribute this software for any
 * purpose with or without fee is hereby granted, provided that the above
 * copyright notice and this permission notice appear in all copies.
 *
 * THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES
 * WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF
 * MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR
```

[Public]

* ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES
* WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN
* ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF
* OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.
*/

>>>> libpng license

This copy of the libpng notices is provided for your convenience. In case of any discrepancy between this copy and the notices in the file png.h that is included in the libpng distribution, the latter shall prevail.

COPYRIGHT NOTICE, DISCLAIMER, and LICENSE:

If you modify libpng you may insert additional notices immediately following this sentence.

This code is released under the libpng license.

libpng versions 1.0.7, July 1, 2000 through 1.6.35, July 15, 2018 are Copyright (c) 2000-2002, 2004, 2006-2018 Glenn Randers-Pehrson, are derived from libpng-1.0.6, and are distributed according to the same disclaimer and license as libpng-1.0.6 with the following individuals added to the list of Contributing Authors:

Simon-Pierre Cadieux
Eric S. Raymond
Mans Rullgard
Cosmin Truta
Gilles Vollant
James Yu
Mandar Sahastrabuddhe
Google Inc.
Vadim Barkov

and with the following additions to the disclaimer:

There is no warranty against interference with your enjoyment of the library or against infringement. There is no warranty that our efforts or the library will fulfill any of your particular purposes or needs. This library is provided with all faults, and the entire risk of satisfactory quality, performance, accuracy, and effort is with the user.

Some files in the "contrib" directory and some configure-generated files that are distributed with libpng have other copyright owners and are released under other open source licenses.

libpng versions 0.97, January 1998, through 1.0.6, March 20, 2000, are Copyright (c) 1998-2000 Glenn Randers-Pehrson, are derived from libpng-0.96, and are distributed according to the same disclaimer and license as libpng-0.96, with the following individuals added to the list of Contributing Authors:

Tom Lane
Glenn Randers-Pehrson
Willem van Schaik

libpng versions 0.89, June 1996, through 0.96, May 1997, are Copyright (c) 1996-1997 Andreas Dilger, are derived from libpng-0.88, and are distributed according to the same disclaimer and license as libpng-0.88, with the following individuals added to the list of Contributing Authors:

John Bowler
Kevin Bracey
Sam Bushell
Magnus Holmgren
Greg Roelofs
Tom Tanner

Some files in the "scripts" directory have other copyright owners but are released under this license.

libpng versions 0.5, May 1995, through 0.88, January 1996, are Copyright (c) 1995-1996 Guy Eric Schalnat, Group 42, Inc.

For the purposes of this copyright and license, "Contributing Authors" is defined as the following set of individuals:

Andreas Dilger
Dave Martindale
Guy Eric Schalnat
Paul Schmidt
Tim Wegner

The PNG Reference Library is supplied "AS IS". The Contributing Authors and Group 42, Inc. disclaim all warranties, expressed or implied, including, without limitation, the warranties of merchantability and of fitness for any purpose. The Contributing Authors and Group 42, Inc. assume no liability for direct, indirect, incidental, special, exemplary, or consequential damages, which may result from the use of the PNG Reference Library, even if advised of the possibility of such damage.

Permission is hereby granted to use, copy, modify, and distribute this source code, or portions hereof, for any purpose, without fee, subject to the following restrictions:

1. The origin of this source code must not be misrepresented.
2. Altered versions must be plainly marked as such and must not be misrepresented as being the original source.
3. This Copyright notice may not be removed or altered from any source or altered source distribution.

The Contributing Authors and Group 42, Inc. specifically permit, without fee, and encourage the use of this source code as a component to supporting the PNG file format in commercial products. If you use this source code in a product, acknowledgment is not required but would be appreciated.

END OF COPYRIGHT NOTICE, DISCLAIMER, and LICENSE.

TRADEMARK:

The name "libpng" has not been registered by the Copyright owner as a trademark in any jurisdiction. However, because libpng has been distributed and maintained world-wide, continually since 1995, the Copyright owner claims "common-law trademark protection" in any jurisdiction where common-law trademark is recognized.

OSI CERTIFICATION:

Libpng is OSI Certified Open Source Software. OSI Certified Open Source is a certification mark of the Open Source Initiative. OSI has not addressed the additional disclaimers inserted at version 1.0.7.

EXPORT CONTROL:

The Copyright owner believes that the Export Control Classification Number (ECCN) for libpng is EAR99, which means not subject to export controls or International Traffic in Arms Regulations (ITAR) because it is open source, publicly available software, that does not contain any encryption software. See the EAR, paragraphs 734.3(b)(3) and 734.7(b).

Glenn Randers-Pehrson
glennrp at users.sourceforge.net
July 15, 2018

>>>> Unicode license

* Copyright (c) 2005, 2013, Oracle and/or its affiliates. All rights reserved.

*/

/*

* COPYRIGHT AND PERMISSION NOTICE

*

* Copyright (C) 1991-2012 Unicode, Inc. All rights reserved. Distributed under

* the Terms of Use in <http://www.unicode.org/copyright.html>.

*

* Permission is hereby granted, free of charge, to any person obtaining a copy

* of the Unicode data files and any associated documentation (the "Data

* Files") or Unicode software and any associated documentation (the

* "Software") to deal in the Data Files or Software without restriction,

* including without limitation the rights to use, copy, modify, merge,

* publish, distribute, and/or sell copies of the Data Files or Software, and

* to permit persons to whom the Data Files or Software are furnished to do so,

* provided that (a) the above copyright notice(s) and this permission notice

* appear with all copies of the Data Files or Software, (b) both the above

* copyright notice(s) and this permission notice appear in associated

* documentation, and (c) there is clear notice in each modified Data File or

* in the Software as well as in the documentation associated with the Data

* File(s) or Software that the data or software has been modified.

*

* THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY

* KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF

* MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF

* THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS

* INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR

* CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE,

* DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER

[Public]

* TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE
* OF THE DATA FILES OR SOFTWARE.
*
* Except as contained in this notice, the name of a copyright holder shall not
* be used in advertising or otherwise to promote the sale, use or other
* dealings in these Data Files or Software without prior written authorization
* of the copyright holder.
*/

>>>> zlib 1.2.11

/*
* DO NOT ALTER OR REMOVE COPYRIGHT NOTICES OR THIS FILE HEADER.
*
* This code is free software; you can redistribute it and/or modify it
* under the terms of the GNU General Public License version 2 only, as
* published by the Free Software Foundation. Oracle designates this
* particular file as subject to the "Classpath" exception as provided
* by Oracle in the LICENSE file that accompanied this code.
*
* This code is distributed in the hope that it will be useful, but WITHOUT
* ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or
* FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License
* version 2 for more details (a copy is included in the LICENSE file that
* accompanied this code).
*
* You should have received a copy of the GNU General Public License version
* 2 along with this work; if not, write to the Free Software Foundation,
* Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA.
*
* Please contact Oracle, 500 Oracle Parkway, Redwood Shores, CA 94065 USA
* or visit www.oracle.com if you need additional information or have any
* questions.
*/

/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.11, January 15th, 2017

Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler

This software is provided 'as-is', without any express or implied
warranty. In no event will the authors be held liable for any damages
arising from the use of this software.

Permission is granted to anyone to use this software for any purpose,
including commercial applications, and to alter it and redistribute it
freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not
claim that you wrote the original software. If you use this software
in a product, an acknowledgment in the product documentation would be
appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be
misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

Jean-loup Gailly Mark Adler
jloup@gzip.org madler@alumni.caltech.edu

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://tools.ietf.org/html/rfc1950> (zlib format), [rfc1951](http://tools.ietf.org/html/rfc1951) (deflate format) and [rfc1952](http://tools.ietf.org/html/rfc1952) (gzip format).

*/

>>>>> libjpeg

/*

* Copyright (c) 2000, 2016, Oracle and/or its affiliates. All rights reserved.

* DO NOT ALTER OR REMOVE COPYRIGHT NOTICES OR THIS FILE HEADER.

*

* This code is free software; you can redistribute it and/or modify it

* under the terms of the GNU General Public License version 2 only, as

* published by the Free Software Foundation. Oracle designates this

* particular file as subject to the "Classpath" exception as provided

* by Oracle in the LICENSE file that accompanied this code.

*

* This code is distributed in the hope that it will be useful, but WITHOUT

* ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or

* FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License

* version 2 for more details (a copy is included in the LICENSE file that

* accompanied this code).

*

* You should have received a copy of the GNU General Public License version

* 2 along with this work; if not, write to the Free Software Foundation,

* Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA.

*

* Please contact Oracle, 500 Oracle Parkway, Redwood Shores, CA 94065 USA

* or visit www.oracle.com if you need additional information or have any

* questions.

*/

/*

* This file contains the code to link the Java Image I/O JPEG plug-in

* to the IJG library used to read and write JPEG files. Much of it has

* been copied, updated, and annotated from the jpegdecoder.c AWT JPEG

* decoder. Where that code was unclear, the present author has either

* rewritten the relevant section or commented it for the sake of future

* maintainers.

*

* In particular, the way the AWT code handled progressive JPEGs seems

* to me to be only accidentally correct and somewhat inefficient. The

* scheme used here represents the way I think it should work. (REV 11/00)

*/

LEGAL ISSUES

=====

In plain English:

1. We don't promise that this software works. (But if you find any bugs, please let us know!)
2. You can use this software for whatever you want. You don't have to pay us.
3. You may not pretend that you wrote this software. If you use it in a program, you must acknowledge somewhere in your documentation that you've used the IJG code.

In legalese:

The authors make NO WARRANTY or representation, either express or implied, with respect to this software, its quality, accuracy, merchantability, or fitness for a particular purpose. This software is provided "AS IS", and you, its user, assume the entire risk as to its quality and accuracy.

This software is copyright (C) 1991-1998, Thomas G. Lane.
All Rights Reserved except as specified below.

Permission is hereby granted to use, copy, modify, and distribute this software (or portions thereof) for any purpose, without fee, subject to these conditions:

- (1) If any part of the source code for this software is distributed, then this README file must be included, with this copyright and no-warranty notice unaltered; and any additions, deletions, or changes to the original files must be clearly indicated in accompanying documentation.
- (2) If only executable code is distributed, then the accompanying documentation must state that "this software is based in part on the work of the Independent JPEG Group".
- (3) Permission for use of this software is granted only if the user accepts full responsibility for any undesirable consequences; the authors accept NO LIABILITY for damages of any kind.

These conditions apply to any software derived from or based on the IJG code, not just to the unmodified library. If you use our work, you ought to acknowledge us.

Permission is NOT granted for the use of any IJG author's name or company name in advertising or publicity relating to this software or products derived from it. This software may be referred to only as "the Independent JPEG Group's software".

We specifically permit and encourage the use of this software as the basis of commercial products, provided that all warranty or liability claims are assumed by the product vendor.

ansi2knr.c is included in this distribution by permission of L. Peter Deutsch, sole proprietor of its copyright holder, Aladdin Enterprises of Menlo Park, CA. ansi2knr.c is NOT covered by the above copyright and conditions, but instead by the usual distribution terms of the Free Software Foundation; principally, that you must include source code if you redistribute it. (See the file ansi2knr.c for full details.) However, since ansi2knr.c is not needed as part of any program generated from the IJG code, this does not limit you more than the foregoing paragraphs do.

The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltconfig, ltmain.sh). Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.)

So far as we are aware, there are no patent restrictions on the remaining code.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

We are required to state that

"The Graphics Interchange Format(c) is the Copyright property of CompuServe Incorporated. GIF(sm) is a Service Mark property of CompuServe Incorporated."

>>>> Igalia S.L

```
/*
 * Copyright Â© 2016 Igalia S.L.
 *
 * This is part of HarfBuzz, a text shaping library.
 *
 * Permission is hereby granted, without written agreement and without
 * license or royalty fees, to use, copy, modify, and distribute this
 * software and its documentation for any purpose, provided that the
 * above copyright notice and the following two paragraphs appear in
 * all copies of this software.
 *
 * IN NO EVENT SHALL THE COPYRIGHT HOLDER BE LIABLE TO ANY PARTY FOR
 * DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES
 * ARISING OUT OF THE USE OF THIS SOFTWARE AND ITS DOCUMENTATION, EVEN
 * IF THE COPYRIGHT HOLDER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
 * DAMAGE.
 *
 * THE COPYRIGHT HOLDER SPECIFICALLY DISCLAIMS ANY WARRANTIES, INCLUDING,
 * BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND
 * FITNESS FOR A PARTICULAR PURPOSE. THE SOFTWARE PROVIDED HEREUNDER IS
 * ON AN "AS IS" BASIS, AND THE COPYRIGHT HOLDER HAS NO OBLIGATION TO
 * PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.
 *
 * Igalia Author(s): FrÃ©dÃ©ric Wang
 */
```

>>>> Graz University of Technology

```
*/
/* Copyright (c) 2002 Graz University of Technology. All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions are met:
 *
 * 1. Redistributions of source code must retain the above copyright notice,
 * this list of conditions and the following disclaimer.
 *
 * 2. Redistributions in binary form must reproduce the above copyright notice,
 * this list of conditions and the following disclaimer in the documentation
 * and/or other materials provided with the distribution.
 *
 */
```

- * 3. The end-user documentation included with the redistribution, if any, must
- * include the following acknowledgment:
- *
- * "This product includes software developed by IAIK of Graz University of
- * Technology."
- *
- * Alternately, this acknowledgment may appear in the software itself, if
- * and wherever such third-party acknowledgments normally appear.
- *
- * 4. The names "Graz University of Technology" and "IAIK of Graz University of
- * Technology" must not be used to endorse or promote products derived from
- * this software without prior written permission.
- *
- * 5. Products derived from this software may not be called
- * "IAIK PKCS Wrapper", nor may "IAIK" appear in their name, without prior
- * written permission of Graz University of Technology.
- *
- * THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED
- * WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED
- * WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
- * PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE LICENSOR BE
- * LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY,
- * OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO,
- * PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA,
- * OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON
- * ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
- * OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
- * OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
- * POSSIBILITY OF SUCH DAMAGE.
- */

>>>> Red Hat Inc

- * Copyright Â© 2009 Red Hat, Inc.
- *
- * This is part of HarfBuzz, a text shaping library.
- *
- * Permission is hereby granted, without written agreement and without
- * license or royalty fees, to use, copy, modify, and distribute this
- * software and its documentation for any purpose, provided that the
- * above copyright notice and the following two paragraphs appear in
- * all copies of this software.
- *
- * IN NO EVENT SHALL THE COPYRIGHT HOLDER BE LIABLE TO ANY PARTY FOR
- * DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES
- * ARISING OUT OF THE USE OF THIS SOFTWARE AND ITS DOCUMENTATION, EVEN
- * IF THE COPYRIGHT HOLDER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
- * DAMAGE.
- *
- * THE COPYRIGHT HOLDER SPECIFICALLY DISCLAIMS ANY WARRANTIES, INCLUDING,
- * BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND
- * FITNESS FOR A PARTICULAR PURPOSE. THE SOFTWARE PROVIDED HEREUNDER IS
- * ON AN "AS IS" BASIS, AND THE COPYRIGHT HOLDER HAS NO OBLIGATION TO
- * PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.
- *
- * Red Hat Author(s): Behdad Esfahbod
- */

>>>> Dynalink License

Copyright (c) 2009-2013, Attila Szegedi

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of the copyright holder nor the names of contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL COPYRIGHT HOLDER BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

>>>> Khronos Group License

Copyright (c) 2007 The Khronos Group Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and/or associated documentation files (the "Materials"), to deal in the Materials without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Materials, and to permit persons to whom the Materials are furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Materials.

THE MATERIALS ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE MATERIALS OR THE USE OR OTHER DEALINGS IN THE MATERIALS.

>>>> CUP Parser Generator License

Copyright 1996-1999 by Scott Hudson, Frank Flannery, C. Scott Ananian

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both

the copyright notice and this permission notice and warranty disclaimer appear in supporting documentation, and that the names of the authors or their employers not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

The authors and their employers disclaim all warranties with regard to this software, including all implied warranties of merchantability and fitness. In no event shall the authors or their employers be liable for any special, indirect or consequential damages or any damages whatsoever resulting from loss of use, data or profits, whether in an action of contract, negligence or other tortious action, arising out of or in connection with the use or performance of this software.

>>>> Google

/*

* Copyright © 2016 Google, Inc.

*

* This is part of HarfBuzz, a text shaping library.

*

* Permission is hereby granted, without written agreement and without

* license or royalty fees, to use, copy, modify, and distribute this

* software and its documentation for any purpose, provided that the

* above copyright notice and the following two paragraphs appear in

* all copies of this software.

*

* IN NO EVENT SHALL THE COPYRIGHT HOLDER BE LIABLE TO ANY PARTY FOR

* DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES

* ARISING OUT OF THE USE OF THIS SOFTWARE AND ITS DOCUMENTATION, EVEN

* IF THE COPYRIGHT HOLDER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH

* DAMAGE.

*

* THE COPYRIGHT HOLDER SPECIFICALLY DISCLAIMS ANY WARRANTIES, INCLUDING,

* BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND

* FITNESS FOR A PARTICULAR PURPOSE. THE SOFTWARE PROVIDED HEREUNDER IS

* ON AN "AS IS" BASIS, AND THE COPYRIGHT HOLDER HAS NO OBLIGATION TO

* PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.

*

* Google Author(s): Seigo Nonaka

*/

>>> Mozilla Public License Version 2.0

The text of the , a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

>>> old mit license

Harfbuzz v2.8 ### Harfbuzz License <https://github.com/harfbuzz/harfbuzz/blob/master/COPYING> <pre> HarfBuzz is licensed under the so-called "Old MIT" license. Details follow. For parts of HarfBuzz that are licensed under different licenses see individual files names COPYING in subdirectories where applicable. Copyright 2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020 Google, Inc. Copyright 2018,2019,2020 Ebrahim Byagowi Copyright 2019,2020 Facebook, Inc. Copyright 2012 Mozilla Foundation Copyright 2011 Codethink Limited Copyright 2008,2010 Nokia Corporation and/or its subsidiary(-ies) Copyright 2009 Keith Stribley Copyright 2009 Martin Hosken and SIL International Copyright 2007 Chris Wilson Copyright 200

6 Behdad Esfahbod Copyright 2005 David Turner Copyright 2004,2007,2008,2009,2010 Red Hat, Inc. Copyright 1998-2004 David Turner and Werner Lemberg For full copyright notices consult the individual files in the package. Permission is hereby granted, without written agreement and without license or royalty fees, to use, copy, modify, and distribute this software and its documentation for any purpose, provided that the above copyright notice and the following two paragraphs appear in all copies of this software. IN NO EVENT SHALL THE COPYRIGHT HOLDER BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS SOFTWARE AND ITS DOCUMENTATION, EVEN IF THE COPYRIGHT HOLDER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. THE COPYRIGHT HOLDER SPECIFICALLY DISCLAIMS ANY WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE SOFTWARE PROVIDED HEREUNDER IS ON AN "AS IS" BASIS, AND THE COPYRIGHT HOLDER HAS NO OBLIGATION TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS. All source code, except for one section, is licensed as above. The one exception is licensed with a slightly different MIT variant: The contents of this directory are licensed under the following terms: Copyright (C) 2012 Grigori Goronzy <greg@kinoho.net> > Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies. THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. </pre>

>>> xwd utility license

```
### xwd utility
<pre>
```

This is the copyright for the files in src/java.desktop/unix/native/libawt_xawt: list.h, multiVis.h, wsutils.h, list.c, multiVis.c

Copyright 1994 Hewlett-Packard Co.
Copyright 1996, 1998 The Open Group

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation.

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.

[Public]

IN NO EVENT SHALL THE OPEN GROUP BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of The Open Group shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from The Open Group.

>>> mesa license

Mesa License

...

Copyright (C) 1999-2007 Brian Paul All Rights Reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Attention, Contributors

When contributing to the Mesa project you must agree to the licensing terms of the component to which you're contributing.

The following section lists the primary components of the Mesa distribution and their respective licenses.

Mesa Component Licenses

>>> MIT license

Thai Dictionary

Thai Dictionary License

<pre>

Copyright (C) 1982 The Royal Institute, Thai Royal Government.

Copyright (C) 1998 National Electronics and Computer Technology Center,
National Science and Technology Development Agency,
Ministry of Science Technology and Environment,
Thai Royal Government.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright 1996, 2020 Oracle and or its affiliates

Copyright 2002 Graz University of Technology
Copyright 2016, 2018-2022 Intel Corp
Copyright 1998-1999 International Business Machines
Copyright (c) 1988 AT&T All Rights Reserved
Copyright 1997 Eric S. Raymond
copyright year in scripts pngwin.rc from 2006 to 2009
Copyright (C) 2006 Project
Copyright 1996-2009 IBM Corp. and others
Copyright 2012, 2021 Skip Balk
Copyright (C) 1998 by the FundsXpress INC.
Copyright 2004-2015 Paul R. Holser Jr
Copyright 1996-1998 Taligent Inc
(C) International Organization for Standardization 1986
Copyright 2012-2015 Mozilla Foundation
Copyright 1999-2007 Brian Paul
Copyright 2016 Intel Corp. Intel Math Library
Copyright 2012 Grigori Goronzy <greg@kinoho.net>
Copyright 2008-2010 Nokia Corp and or its subsidiary
Copyright (c) 2007 2008 2009 2010 2011 Mij <mij@bitchx.it>
Copyright (C) 2013-2014 IBM Corporation and Others. All Rights Reserved.
Copyright (c) 2020 Oracle America Inc. All rights reserved.
Copyright (C) 2003-2022 by Masatake YAMATO Redhat K.K. David Turner Robert Wilhelm and Werner Lemberg.
Copyright (c) 2018-2022 Cosmin Truta PNG
Copyright 2018-2022 Google and or its affiliates
Copyright (c) 1995 Colin Plumb. All rights reserved.
Copyright 2002 software-
Copyright 1999, 2001-2002 Sun Microsystems
Copyright 1995-2005 The Cryptix Foundation Ltd
Copyright (c) 2021 NTT DATA.
Copyright 2011 SAP AG
Copyright 1982 The Royal Institute Thai Royal Government
Copyright 1998-2006 W3C
Copyright 1994, 1998, 2011 Hewlett-Packard Co
Copyright 2004-2022 Masatake YAMATO Red Hat K.K

Copyright Copyright 2023
(c) Wang Labs Inc. 1990 1991 03
Copyright 2019-2022 Nikhil Ramakrishnan David Turner Robert Wilhelm and Werner Lemberg
Copyright 2009 D.E. Shaw
Copyright 2021 Alphabet LLC
Copyright 1999-2022 The Apache Software Foundation
Copyright (c) 2009 Apple Inc. All rights reserved.
Copyright 2009-2022 Google Inc
Copyright (c) 2012-2021 Jean-Philippe Aumasson <jeanphilippe.aumasson@gmail.com>
Copyright 2018 Cavium
Copyright 2017 Instituto de Pesquisas Eldorado
Copyright 2003 Apple Computer Inc
Copyright 2019-2022 BELLSOFT
Copyright 2008 Otto Moerbeek <otto@drijf.net> SPDX-License-Identifier MIT
© 1999
Copyright 2018, 2020 SAP and or its affiliates
Copyright (c) 2012-2014 Daniel J. Bernstein <djb@cr.yp.to>
Copyright 2016-2017, 2019, 2021-2022 JetBrains
Copyright (C) 2003-2014 Ludovic Rousseau
Copyright (c) Intel 2021
Copyright 1997-2008, 2010 Sun Microsystems Inc
Copyright 2018-2020 Ebrahim Byagowi
Copyright 2016-2021 Red Hat Inc. and or its affiliates. DO NOT ALTER OR REMOVE
Copyright 2018-2020 Google LLC
Copyright 2009 Martin Hosken and SIL International
2021 Unicode
Copyright 2019 Loongson Technology Co. Ltd
Copyright 2009, 2015 Oracle Corp
Copyright 1996-1997 Andreas Dilger
Copyright 1999-2004 David Corcoran <corcoran@musclecard.com>
Copyright 1996-2003 Elliot Joel Berk and C. Scott Ananian
Copyright 2003-2019 Unicode Inc. and others
<td> Text TextEntry< td> <td>DocumentName ImageDescription Make Model PageName Software Artist HostComputer InkNames
Copyright Text TextEntry@keyword = field name Text TextEntry@value = field value.

Copyright 2018 SAP and or its affiliates. DO NOT ALTER OR REMOVE
Copyright 2018 Khaled Hosny
Copyright 2019-2022 Huawei Technologies Co. Ltd
Copyright 1998-2004 David Turner and Werner Lemberg
Copyright 1996-2022 Just van Rossum David Turner Robert Wilhelm and Werner Lemberg
Copyright 1999-2004 Wily Technology Inc
Copyright 2007-2022 Derek Clegg and Michael Toftdal
Copyright 2009 Goldman Sachs International. All Rights Reserved.
Copyright 2004-2022 David Turner Robert Wilhelm Werner Lemberg and George Williams
Copyright 1991-2021 Unicode Inc
Copyright 2009 Keith Stribley
Copyright 2012-2020 Bert Belder <bertbelder@gmail.com>
Copyright 1996-2022 David Turner Robert Wilhelm and Werner Lemberg
Copyright 2009 Remo Dentato (rdentato@gmail.com)
Copyright 2018-2019 Adobe Inc
Copyright 1991-2003 Eastman Kodak Co
Copyright (c) 2021 Azul Inc. All rights reserved. DO NOT ALTER OR REMOVE
Copyright 1998 National Electronics and Computer Technology Center National Science and Technology Development Agency Ministry
of Science Technology and Environment
Copyright 2018-2022 Cosmin Truta
Copyright 1995-2022 The PNG Reference Library Authors
Copyright 1996-2005, 2010-2014 IBM Corp
Copyright 2009-2016 Attila Szegedi
Copyright 2019-2020 Facebook Inc

Copyright (c) 2015 Oracle Inc. DO NOT ALTER OR REMOVE
Copyright (c) 2022 IBM Corp. DO NOT ALTER OR REMOVE
Copyright 1995-2022 Jean-loup Gailly and Mark Adler
Copyright 2009-2022 Oran Agra and Mickey Gabel
Copyright 2007-2014 Stephen Colebourne & Michael Nascimento Santos
Copyright 2000-2011 INRIA France Telecom
Copyright (C) 2004-2022 by Masatake YAMATO Red Hat K.K. David Turner Robert Wilhelm and Werner Lemberg.
copyright 1995 by Jeff Dinkins.
Copyright (c) 2015 2020 and or its affiliates. All rights reserved. DO NOT ALTER OR REMOVE
Copyright 2003-2022 Masatake YAMATO Redhat K.K
Copyright 2002-2021 the original author or authors
Copyright 1995-2022 Jean-loup Gailly Mark Adler
Copyright 1999-2002 Lotus Development Corp
Copyright 2022 David Turner Robert Wilhelm Werner Lemberg and Moazin Khatti
Copyright 1998-2018 Glenn Randers-Pehrson are derived from libpng-
Copyright 2020-2022 THL
Copyright 2015, 2019 Red Hat Inc DO NOT ALTER OR REMOVE
Copyright 1999-2003 David Corcoran <corcoran@linuxnet.com>
Copyright 2018 SAP AG Walldorf Germany. DO NOT ALTER OR REMOVE
copyright 1995 by Jeff Dinkins. Unauthorized reproduction is prohibited.
Copyright 2016-2020 OASIS Open
Copyright 1998-2018 Glenn Randers-Pehrson
Copyright 2007 Chris Wilson
Copyright 1995, 1997 International Business Machines Corp
Copyright 2020 Datadog Inc
Copyright 1996 Netscape Communications Corp
Copyright 2018-2022 David Turner Robert Wilhelm Dominik Rtsches and Werner Lemberg
Copyright 2007-2022 Dereg Clegg and Michael Toftdal
Copyright Microsoft Corporation. All rights reserved.
Copyright 1995-2022 Mark Adler
Copyright 2016 Igalia S.L
Copyright 1991-1998 Thomas G. Lane
Copyright 1996-2015 Scott Hudson Frank Flannery C. Scott Ananian Michael Petter
(C) Vladislav Malyshkin 2010
Copyright (c) 1996-1997 Andreas Dilger PNG
Copyright (C) 1995-2021 Jean-loup Gailly detect
Copyright 2004-2022, 2108 Red Hat Inc
Copyright 2021 Alibaba Group Holding Ltd
Copyright 2021 DataDog
Copyright 2016 Linaro Ltd
Copyright 1991-2020 Unicode Inc. CLDR data files are interpreted according to the LDML specification
Copyright (C) 2001 I/O All Rights Reserved.
Copyright 2007-2012, 2014-2016, 2018-2022 Red Hat Inc. DO NOT ALTER OR REMOVE
Copyright 2000, 2002, 2004-2005, 2015 World Wide Web Consortium
Copyright (c) 2021 Dynatrace LLC. All rights reserved. DO NOT ALTER OR REMOVE
Copyright 1995-1996 Guy Eric Schalnat Group
Copyright 1200, 1301, 2009, 2012, 2015 Entrust Inc. - for authorized
Copyright 2001 Institute for Data Communications Systems
Copyright 2018-2019 SAP
Copyright (C) 2013 Red Hat
Copyright 2004 Scott James Remnant <scott@netsplit.com>.
Copyright 2001 softSurfer
Copyright 2005, 2007-2022 David Turner
Copyright 2000-2011 France Telecom
copyright year to 2010
Copyright 2020-2021 Amazon.com Inc. or its affiliates
(c) 2011 Oracle u548C
Copyright 2004-2022 Masatake YAMATO and Redhat K.K

```
>>>>GPL-2.0-with-classpath-exception
```

The OpenJDK source code made available by Oracle America, Inc. (Oracle) at openjdk.org ("OpenJDK Code") is distributed under the terms of the GNU General Public License <<https://www.gnu.org/copyleft/gpl.html>> version 2 only ("GPL2"), with the following clarification and special exception.

Linking this OpenJDK Code statically or dynamically with other code is making a combined work based on this library. Thus, the terms and conditions of GPL2 cover the whole combination.

As a special exception, Oracle gives you permission to link this OpenJDK Code with certain code licensed by Oracle as indicated at <https://openjdk.org/legal/exception-modules-2007-05-08.html> ("Designated Exception Modules") to produce an executable, regardless of the license terms of the Designated Exception Modules, and to copy and distribute the resulting executable under GPL2, provided that the Designated Exception Modules continue to be governed by the licenses under which they were offered by Oracle.

As such, it allows licensees and sublicensees of Oracle's GPL2 OpenJDK Code to build an executable that includes those portions of necessary code that Oracle could not provide under GPL2 (or that Oracle has provided under GPL2 with the Classpath exception). If you modify or add to the OpenJDK code, that new GPL2 code may still be combined with Designated Exception Modules if the new code is made subject to this exception by its copyright holder.

Copyright 1996, 2020 Oracle and or its affiliates

opt-einsum version 3.4.0

<<<<<<<xilinx-separator>>>>>>>

The text of the Apache License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s)

optree version 0.17.0

```
<<<<<<<xilinx-separator>>>>>>>
```

The text of the Apache License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s)

overrides version 7.7.0

```
<<<<<<<xilinx-separator>>>>>>>>
```

Apache License
Version 2.0, January 2004
<http://www.apache.org/licenses/>

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

- (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and
- (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
- (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
- (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,

any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions.

Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

[Public]

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

packaging version 21.2

```
<<<<<<<xilinx-separator>>>>>>>>
```

```
# This file is dual licensed under the terms of the Apache License, Version
# 2.0, and the BSD License. See the LICENSE file in the root of this repository
# for complete details.
```

>>> BSD

Copyright (c) Donald Stufft and individual contributors.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE. EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

>>>

Apache License
Version 2.0, January 2004
<http://www.apache.org/licenses/>

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and

subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

- (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and
- (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
- (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
- (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions.

Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

packaging version 24.2

<<<<<<<<xilinx-separator>>>>>>>>>

This file is dual licensed under the terms of the Apache License, Version
2.0, and the BSD License. See the LICENSE file in the root of this repository
for complete details.

>>> BSD

Copyright (c) Donald Stufft and individual contributors.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice,
this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED
WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER
CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

>>>

Apache License
Version 2.0, January 2004
<http://www.apache.org/licenses/>

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their

Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

- (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and
- (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
- (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
- (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. **Disclaimer of Warranty.** Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. **Limitation of Liability.** In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. **Accepting Warranty or Additional Liability.** While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

```
packaging version 25.0
<<<<<<<xilinx-separator>>>>>>>
```

This file is dual licensed under the terms of the Apache License, Version
2.0, and the BSD License. See the LICENSE file in the root of this repository
for complete details.

>>> BSD

Copyright (c) Donald Stufft and individual contributors.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

>>>

Apache License
Version 2.0, January 2004
<http://www.apache.org/licenses/>

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or

Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.
3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.
4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

- (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and
- (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
- (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
- (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. **Submission of Contributions.** Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.
6. **Trademarks.** This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.
7. **Disclaimer of Warranty.** Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. **Limitation of Liability.** In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. **Accepting Warranty or Additional Liability.** While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

```
pallets-werkzeug version 3.1.3
<<<<<<<xilinx-separator>>>>>>>>
```

Copyright 2007 Pallets

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR

[Public]

PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright 2007 Pallets license BSD-
Copyright 2007 Pallets

pandas version 1.0.4
<<<<<<<<<xilinx-separator>>>>>>>>>

BSD 3-Clause License

Copyright (c) 2008-2012, AQR Capital Management, LLC, Lambda Foundry, Inc. and PyData Development Team
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

>>> MIT
/* The MIT License

Copyright (c) 2008, 2009, 2011 by Attractive Chaos <attractor@live.co.uk>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

*/

>>> PSF

A. HISTORY OF THE SOFTWARE

=====

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible ⁽¹⁾
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes

2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
2.7	2.6	2010	PSF	yes

Footnotes:

(1) GPL-compatible doesn't mean that we're distributing Python under the GPL. All Python licenses, unlike the GPL, let you distribute a modified version without making your changes open source. The GPL-compatible licenses make it possible to combine Python with other software that is released under the GPL; the others don't.

(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

B. TERMS AND CONDITIONS FOR ACCESSING OR OTHERWISE USING PYTHON

=====

PYTHON SOFTWARE FOUNDATION LICENSE VERSION 2

1. This LICENSE AGREEMENT is between the Python Software Foundation ("PSF"), and the Individual or Organization ("Licensee") accessing and otherwise using this software ("Python") in source or binary form and its associated documentation.
2. Subject to the terms and conditions of this License Agreement, PSF hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python alone or in any derivative version, provided, however, that PSF's License Agreement and PSF's notice of copyright, i.e., "Copyright (c) 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010

Python Software Foundation; All Rights Reserved" are retained in Python alone or in any derivative version prepared by Licensee.

3. In the event Licensee prepares a derivative work that is based on or incorporates Python or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python.

4. PSF is making Python available to Licensee on an "AS IS" basis. PSF MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, PSF MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

5. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

7. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between PSF and Licensee. This License Agreement does not grant permission to use PSF trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By copying, installing or otherwise using Python, Licensee agrees to be bound by the terms and conditions of this License Agreement.

BEOPEN.COM LICENSE AGREEMENT FOR PYTHON 2.0

BEOPEN PYTHON OPEN SOURCE LICENSE AGREEMENT VERSION 1

1. This LICENSE AGREEMENT is between BeOpen.com ("BeOpen"), having an office at 160 Saratoga Avenue, Santa Clara, CA 95051, and the Individual or Organization ("Licensee") accessing and otherwise using this software in source or binary form and its associated documentation ("the Software").

2. Subject to the terms and conditions of this BeOpen Python License Agreement, BeOpen hereby grants Licensee a non-exclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use the Software alone or in any derivative version, provided, however, that the BeOpen Python License is retained in the Software, alone or in any derivative version prepared by Licensee.

3. BeOpen is making the Software available to Licensee on an "AS IS" basis. BEOPEN MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, BEOPEN MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS

FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

4. BEOPEN SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF THE SOFTWARE FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF USING, MODIFYING OR DISTRIBUTING THE SOFTWARE, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

5. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

6. This License Agreement shall be governed by and interpreted in all respects by the law of the State of California, excluding conflict of law provisions. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between BeOpen and Licensee. This License Agreement does not grant permission to use BeOpen trademarks or trade names in a trademark sense to endorse or promote products or services of Licensee, or any third party. As an exception, the "BeOpen Python" logos available at <http://www.pythonlabs.com/logos.html> may be used according to the permissions granted on that web page.

7. By copying, installing or otherwise using the software, Licensee agrees to be bound by the terms and conditions of this License Agreement.

CNRI LICENSE AGREEMENT FOR PYTHON 1.6.1

1. This LICENSE AGREEMENT is between the Corporation for National Research Initiatives, having an office at 1895 Preston White Drive, Reston, VA 20191 ("CNRI"), and the Individual or Organization ("Licensee") accessing and otherwise using Python 1.6.1 software in source or binary form and its associated documentation.

2. Subject to the terms and conditions of this License Agreement, CNRI hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python 1.6.1 alone or in any derivative version, provided, however, that CNRI's License Agreement and CNRI's notice of copyright, i.e., "Copyright (c) 1995-2001 Corporation for National Research Initiatives; All Rights Reserved" are retained in Python 1.6.1 alone or in any derivative version prepared by Licensee. Alternately, in lieu of CNRI's License Agreement, Licensee may substitute the following text (omitting the quotes): "Python 1.6.1 is made available subject to the terms and conditions in CNRI's License Agreement. This Agreement together with Python 1.6.1 may be located on the Internet using the following unique, persistent identifier (known as a handle): 1895.22/1013. This Agreement may also be obtained from a proxy server on the Internet using the following URL: <http://hdl.handle.net/1895.22/1013>".

3. In the event Licensee prepares a derivative work that is based on or incorporates Python 1.6.1 or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python 1.6.1.

4. CNRI is making Python 1.6.1 available to Licensee on an "AS IS" basis. CNRI MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, CNRI MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON 1.6.1 WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

5. CNRI SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON 1.6.1 FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON 1.6.1, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

7. This License Agreement shall be governed by the federal intellectual property law of the United States, including without limitation the federal copyright law, and, to the extent such U.S. federal law does not apply, by the law of the Commonwealth of Virginia, excluding Virginia's conflict of law provisions. Notwithstanding the foregoing, with regard to derivative works based on Python 1.6.1 that incorporate non-separable material that was previously distributed under the GNU General Public License (GPL), the law of the Commonwealth of Virginia shall govern this License Agreement only as to issues arising under or with respect to Paragraphs 4, 5, and 7 of this License Agreement. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between CNRI and Licensee. This License Agreement does not grant permission to use CNRI trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By clicking on the "ACCEPT" button where indicated, or by copying, installing or otherwise using Python 1.6.1, Licensee agrees to be bound by the terms and conditions of this License Agreement.

ACCEPT

CWI LICENSE AGREEMENT FOR PYTHON 0.9.0 THROUGH 1.2

Copyright (c) 1991 - 1995, Stichting Mathematisch Centrum Amsterdam, The Netherlands. All rights reserved.

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Stichting Mathematisch Centrum or CWI not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

STICHTING MATHEMATISCH CENTRUM DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL STICHTING MATHEMATISCH CENTRUM BE LIABLE

FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Copyright 2006-2008 Alexander Chemeris
Copyright 2011 Szabolcs Nagy and licensed under following terms Permission to use copy modify and or distribute this code for any purpose with or without fee is
Copyright 2008 The Android Open Source Project and is licensed under
Copyright 2015 Jared Hobbs
Copyright (c) 2010 Albert Sweigart All rights reserved.
Copyright 1993 2004 Sun Microsystems or
Copyright (C) 2012 Google Inc. All rights reserved.
Copyright 2012 Lambda Foundry Inc
Copyright (C) 2002 Michael Ringgaard. All rights reserved.
Copyright 1991-1995 Stichting Mathematisch Centrum Amsterdam The Netherlands
Copyright 1995-2001 Corp for National Research Initiatives
Copyright 2003-2011 Gustavo Niemeyer <gustavo@niemeyer.net>
Copyright 2003-2009 Steven G. Kargl or
Copyright (c) 2009 join
Copyright 1994 Sun Microsystems Inc
Copyright 2001-2002, 2011 Enthought Inc
Copyright 2015, 2017 dateutil contributors
Copyright 2001-2008 Ville Laurikari and licensed under
Copyright 2007-2011 the Sphinx team
Copyright 2005-2011 NumPy Developers
2013-2016 COPYRIGHT HOLDER Hadley Wickham RStudio and Evan Miller
Copyright 2012 Lambda Foundry Inc. except where noted
Copyright 2007 Nick Galbreath -- nickg
Copyright 1988-1993 The Regents of the University of California
Copyright (c) 2003-2012 SciPy Developers. All rights reserved.
Copyright 2003-2011 David Schultz or
Copyright (c) 2017 - dateutil contributors class
Copyright 2015, 2017 Paul Ganssle <paul@ganssle.io>
Copyright 2014-2016 Yaron de Leeuw <me@jarondl.net>
Copyright (c) 2010-2012 Archipel Asset Management AB. All rights reserved.
Copyright (c) 2008-2012 AQR Capital Management LLC Lambda Foundry Inc. and PyData Development Team All rights reserved.
Copyright 2003-2009 Bruce D. Evans or
Copyright 2011 Valentin Ochs and is licensed under an MIT-style license.
Copyright 2011-2013 ESN Social Software AB and Jonas Tarnstrom
Copyright 2001-2010 Python Software Foundation
Copyright 1994 David Burren. It is licensed under
Copyright 2005-2014 Rich Felker et al.
Copyright (c) 2008 2009 2011 by Attractive Chaos <attractor@live.co.uk>
Copyright 2012-2014 Tomi Pievilinen <tomi.pievilinen@iki.fi>
Copyright 2016 PyData Development Team
Copyright 2008 Stephen L. Moshier and labelled as such in comments in the individual source files. All have been licensed under extremely permissive terms.

pandas version 2.2.3
 <<<<<<<xilinx-separator>>>>>>>

BSD 3-Clause License

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright 2011-2012 Lambda Foundry Inc
Copyright 2008-2011 AQR Capital Management LLC Lambda Foundry Inc. and PyData Development Team
Copyright 2011-2023 Open source contributors
Copyright 2011-2012 PyData Development Team
Copyright (c) 2008-2011 AQR Capital Management LLC
copyright in the commit message of the change
Copyright (c) 2017 - dateutil contributors class
Copyright 2009 join

```
pandocfilters version 1.5.0
<<<<<<<xilinx-separator>>>>>>>
```

Copyright (c) 2013, John MacFarlane
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation

and/or other materials provided with the distribution.

- Neither the name of John Macfarlane nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

pandocfilters version 1.5.1
<<<<<<<xilinx-separator>>>>>>>

Copyright (c) 2013, John MacFarlane
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- Neither the name of John Macfarlane nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

parso version 0.8.2

Some Python files have been taken from the standard library and are therefore PSF licensed. Modifications on these files are dual licensed (both MIT and PSF). These files are:

- parso/pgen2/*
- parso/tokenize.py
- parso/token.py
- test/test_pgen2.py

Also some test files under test/normalizer_issue_files have been copied from <https://github.com/PyCQA/pycodestyle> (Expat License == MIT License).

The text of the MIT License, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s)

The text of the python License, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s)

Copyright 2006-2009 Johann C. Rocholl <johann@rocholl.net>
Copyright (c) 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 Python Software Foundation All Rights Reserved are retained in Python alone or in any derivative version prepared by Licensee.
Copyright 2009-2014 Florent Xicluna <florent.xicluna@gmail.com>
Copyright 2010 Armin Ronacher. license Flask Design License
Copyright 2006 Google Inc. All Rights Reserved. Licensed to PSF under
Copyright 2010 Armin Ronacher
Copyright 2014-2016 Ian Lee <IanLee1521@gmail.com>
Copyright 2004-2005 Elemental Security Inc
Copyright 2014 David Halter and Contributors Modifications are dual-

```
parso version 0.8.4
<<<<<<<xilinx-separator>>>>>>>>
```

Some Python files have been taken from the standard library and are therefore PSF licensed. Modifications on these files are dual licensed (both MIT and PSF). These files are:

- parso/pgen2/*
- parso/tokenize.py
- parso/token.py
- test/test_pgen2.py

Also some test files under test/normalizer_issue_files have been copied from <https://github.com/PyCQA/pycodestyle> (Expat License == MIT License).

The MIT License (MIT)

Copyright (c) <2013-2017> <David Halter and others, see AUTHORS.txt>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

PYTHON SOFTWARE FOUNDATION LICENSE VERSION 2

1. This LICENSE AGREEMENT is between the Python Software Foundation ("PSF"), and the Individual or Organization ("Licensee") accessing and otherwise using this software ("Python") in source or binary form and its associated documentation.
2. Subject to the terms and conditions of this License Agreement, PSF hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python alone or in any derivative version, provided, however, that PSF's License Agreement and PSF's notice of copyright, i.e., "Copyright (c) 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015 Python Software Foundation; All Rights Reserved" are retained in Python alone or in any derivative version prepared by Licensee.
3. In the event Licensee prepares a derivative work that is based on or incorporates Python or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python.
4. PSF is making Python available to Licensee on an "AS IS" basis. PSF MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, PSF MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.
5. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS

A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON,
OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

7. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between PSF and Licensee. This License Agreement does not grant permission to use PSF trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By copying, installing or otherwise using Python, Licensee agrees to be bound by the terms and conditions of this License Agreement.

Copyright (c) 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 Python Software Foundation All Rights Reserved are retained in Python alone or in any derivative version prepared by Licensee.

patsy version 1.0.1

<<<<<<<<xilinx-separator>>>>>>>>>

The bulk of Patsy is distributed under a simple 2-clause BSD license:

Copyright (C) 2011-2012, Patsy Developers. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
`AS IS' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR
A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT
HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The module patsy.compat contains code derived from the Python
standard library, and is covered by the following license:

PYTHON SOFTWARE FOUNDATION LICENSE VERSION 2

- 1. This LICENSE AGREEMENT is between the Python Software Foundation ("PSF"), and the Individual or Organization ("Licensee") accessing and otherwise using this software ("Python") in source or binary form and its associated documentation.
- 2. Subject to the terms and conditions of this License Agreement, PSF hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python alone or in any derivative version, provided, however, that PSF's License Agreement and PSF's notice of copyright, i.e., "Copyright (c) 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012 Python Software Foundation; All Rights Reserved" are retained in Python alone or in any derivative version prepared by Licensee.
- 3. In the event Licensee prepares a derivative work that is based on or incorporates Python or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python.
- 4. PSF is making Python available to Licensee on an "AS IS" basis. PSF MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, PSF MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.
- 5. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.
- 6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.
- 7. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between PSF and Licensee. This License Agreement does not grant permission to use PSF trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.
- 8. By copying, installing or otherwise using Python, Licensee agrees to be bound by the terms and conditions of this License Agreement.

As per item (3), we are required to provide a brief summary of changes. For this, see comments in patsy/compat.py.
pcpp version 1.30
<<<<<<<<<xilinx-separator>>>>>>>>>>>>

(C) 2018-2019 Niall Douglas <http://www.nedproductions.biz/>
and (C) 2007-2019 David Beazley <http://www.dabeaz.com/>

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of the David Beazley or Dabeaz LLC may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright 2017-2021 Niall Douglas
Copyright 2007-2020 David Beazley
Copyright 2001-2019 David M. Beazley

pexpect version 4.9.0
<<<<<<<<xilinx-separator>>>>>>>>>

ISC LICENSE

This license is approved by the OSI and FSF as GPL-compatible.
<http://opensource.org/licenses/isc-license.txt>

Copyright (c) 2013-2014, Pexpect development team
Copyright (c) 2012, Noah Spurrier <noah@noah.org>

Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

pexpect-pexpect version 4.8

This license is approved by the OSI and FSF as GPL-compatible.
<http://opensource.org/licenses/isc-license.txt>

Copyright (c) 2013-2014, Pexpect development team
Copyright (c) 2012, Noah Spurrier <noah@noah.org>

Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Copyright 2013-2016 Pexpect development team
Copyright 2010 Doug Hellmann
Copyright (c) 2016 Martin Packman <martin.packman@canonical.com> PERMISSION TO USE COPY MODIFY AND OR DISTRIBUTE
THIS SOFTWARE FOR ANY PURPOSE WITH OR WITHOUT FEE IS HEREBY GRANTED PROVIDED THAT THE ABOVE
Copyright 2012 Noah Spurrier <noah@noah.org>

```
pexpect-ptyprocess version 0.7.0
<<<<<<<xilinx-separator>>>>>>>>
```

This license is approved by the OSI and FSF as GPL-compatible.
<http://opensource.org/licenses/isc-license.txt>

Copyright (c) 2013-2014, Pexpect development team
Copyright (c) 2012, Noah Spurrier <noah@noah.org>

Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Copyright 2013-2014 Pexpect development team

Copyright 2012 Noah Spurrier <noah@noah.org>

The text of the MIT License, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s)

Copyright (c) 2016 Ville Vainio

Copyright 2007-2017 Mark Adler

This software is provided 'as-is', without any express or implied warranty. In no event will the author be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

////

For code in the zopfli directory, the following applies:
Copyright 2011 Google Inc.

The text of the Apache License Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, as applicable to the software listed above.

```
pillow version 11.3.0
<<<<<<<xilinx-separator>>>>>>>
```


The Python Imaging Library (PIL) is

Copyright © 1997-2011 by Secret Labs AB

Copyright © 1995-2011 by Fredrik Lundh and contributors

Pillow is the friendly PIL fork. It is

Copyright © 2010 by Jeffrey A. Clark and contributors

Like PIL, Pillow is licensed under the open source MIT-CMU License:

By obtaining, using, and/or copying this software and/or its associated documentation, you agree that you have read, understood, and will comply with the following terms and conditions:

Permission to use, copy, modify and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appears in all copies, and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Secret Labs AB or the author not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

SECRET LABS AB AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL SECRET LABS AB OR THE AUTHOR BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

AOM

Copyright (c) 2016, Alliance for Open Media. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER

CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

BROTLI

Copyright (c) 2009, 2010, 2013-2016 by the Brotli Authors.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

BZIP2

This program, "bzip2", the associated library "libbzip2", and all documentation, are copyright (C) 1996-2019 Julian R Seward. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
3. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
4. The name of the author may not be used to endorse or promote

products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Julian Seward, jseward@acm.org
bzip2/libbzip2 version 1.0.8 of 13 July 2019

DAV1D

Copyright © 2018-2019, VideoLAN and dav1d authors
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

FREETYPE2

The FreeType 2 font engine is copyrighted work and cannot be used legally without a software license. In order to make this project usable to a vast majority of developers, we distribute it under two mutually exclusive open-source licenses.

This means that *you* must choose *one* of the two licenses described below, then obey all its terms and conditions when using FreeType 2 in any of your projects or products.

- The FreeType License, found in the file ``docs/FTL.TXT``, which is similar to the original BSD license *with* an advertising clause that forces you to explicitly cite the FreeType project in your product's documentation. All details are in the license file. This license is suited to products which don't use the GNU General Public License.

Note that this license is compatible to the GNU General Public License version 3, but not version 2.

- The GNU General Public License version 2, found in ``docs/GPLv2.TXT`` (any later version can be used also), for programs which already use the GPL. Note that the FTL is incompatible with GPLv2 due to its advertisement clause.

The contributed BDF and PCF drivers come with a license similar to that of the X Window System. It is compatible to the above two licenses (see files ``src/bdf/README`` and ``src/pcf/README``). The same holds for the source code files ``src/base/fthash.c`` and ``include/freetype/internal/fthash.h``; they were part of the BDF driver in earlier FreeType versions.

The gzip module uses the zlib license (see ``src/gzip/zlib.h``) which too is compatible to the above two licenses.

The files ``src/autofit/ft-hb.c`` and ``src/autofit/ft-hb.h`` contain code taken almost verbatim from the HarfBuzz file ``hb-ft.cc``, which uses the 'Old MIT' license, compatible to the above two licenses.

The MD5 checksum support (only used for debugging in development builds) is in the public domain.

The FreeType Project LICENSE

2006-Jan-27

Copyright 1996-2002, 2006 by
David Turner, Robert Wilhelm, and Werner Lemberg

Introduction

=====

The FreeType Project is distributed in several archive packages; some of them may contain, in addition to the FreeType font engine, various tools and contributions which rely on, or relate to, the FreeType Project.

This license applies to all files found in such packages, and

which do not fall under their own explicit license. The license affects thus the FreeType font engine, the test programs, documentation and makefiles, at the very least.

This license was inspired by the BSD, Artistic, and IJG (Independent JPEG Group) licenses, which all encourage inclusion and use of free software in commercial and freeware products alike. As a consequence, its main points are that:

- o We don't promise that this software works. However, we will be interested in any kind of bug reports. ('as is' distribution)
- o You can use this software for whatever you want, in parts or full form, without having to pay us. ('royalty-free' usage)
- o You may not pretend that you wrote this software. If you use it, or only parts of it, in a program, you must acknowledge somewhere in your documentation that you have used the FreeType code. ('credits')

We specifically permit and encourage the inclusion of this software, with or without modifications, in commercial products. We disclaim all warranties covering The FreeType Project and assume no liability related to The FreeType Project.

Finally, many people asked us for a preferred form for a credit/disclaimer to use in compliance with this license. We thus encourage you to use the following text:

```
""""
Portions of this software are copyright © <year> The FreeType
Project (www.freetype.org). All rights reserved.
""""
```

Please replace <year> with the value from the FreeType version you actually use.

Legal Terms

=====

0. Definitions

Throughout this license, the terms 'package', 'FreeType Project', and 'FreeType archive' refer to the set of files originally distributed by the authors (David Turner, Robert Wilhelm, and Werner Lemberg) as the 'FreeType Project', be they named as alpha, beta or final release.

'You' refers to the licensee, or person using the project, where 'using' is a generic term including compiling the project's source code as well as linking it to form a 'program' or 'executable'. This program is referred to as 'a program using the FreeType engine'.

This license applies to all files distributed in the original

FreeType Project, including all source code, binaries and documentation, unless otherwise stated in the file in its original, unmodified form as distributed in the original archive. If you are unsure whether or not a particular file is covered by this license, you must contact us to verify this.

The FreeType Project is copyright (C) 1996-2000 by David Turner, Robert Wilhelm, and Werner Lemberg. All rights reserved except as specified below.

1. No Warranty

THE FREETYPE PROJECT IS PROVIDED `AS IS' WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL ANY OF THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY DAMAGES CAUSED BY THE USE OR THE INABILITY TO USE, OF THE FREETYPE PROJECT.

2. Redistribution

This license grants a worldwide, royalty-free, perpetual and irrevocable right and license to use, execute, perform, compile, display, copy, create derivative works of, distribute and sublicense the FreeType Project (in both source and object code forms) and derivative works thereof for any purpose; and to authorize others to exercise some or all of the rights granted herein, subject to the following conditions:

- o Redistribution of source code must retain this license file ('FTL.TXT') unaltered; any additions, deletions or changes to the original files must be clearly indicated in accompanying documentation. The copyright notices of the unaltered, original files must be preserved in all copies of source files.
- o Redistribution in binary form must provide a disclaimer that states that the software is based in part of the work of the FreeType Team, in the distribution documentation. We also encourage you to put an URL to the FreeType web page in your documentation, though this isn't mandatory.

These conditions apply to any software derived from or based on the FreeType Project, not just the unmodified files. If you use our work, you must acknowledge us. However, no fee need be paid to us.

3. Advertising

Neither the FreeType authors and contributors nor you shall use the name of the other for commercial, advertising, or promotional purposes without specific prior written permission.

We suggest, but do not require, that you use one or more of the following phrases to refer to this software in your documentation

[Public]

or advertising materials: `FreeType Project', `FreeType Engine',
`FreeType library', or `FreeType Distribution'.

As you have not signed this license, you are not required to accept it. However, as the FreeType Project is copyrighted material, only this license, or another one contracted with the authors, grants you the right to use, distribute, and modify it. Therefore, by using, distributing, or modifying the FreeType Project, you indicate that you understand and accept all the terms of this license.

4. Contacts

There are two mailing lists related to FreeType:

o freetype@nongnu.org

Discusses general use and applications of FreeType, as well as future and wanted additions to the library and distribution. If you are looking for support, start in this list if you haven't found anything to help you in the documentation.

o freetype-devel@nongnu.org

Discusses bugs, as well as engine internals, design issues, specific licenses, porting, etc.

Our home page can be found at

<https://www.freetype.org>

--- end of FTL.TXT ---

The following license details are part of `src/bdf/README`:

...

License

Copyright (C) 2001-2002 by Francesco Zappa Nardelli

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY

[Public]

CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

*** Portions of the driver (that is, bdfplib.c and bdf.h):

Copyright 2000 Computing Research Labs, New Mexico State University
Copyright 2001-2002, 2011 Francesco Zappa Nardelli

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE COMPUTING RESEARCH LAB OR NEW MEXICO STATE UNIVERSITY BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Credits

This driver is based on excellent Mark Leisher's bdf library. If you find something good in this driver you should probably thank him, not me.
` ` `

The following license details are part of `src/pcf/README`:

` ` `

License

Copyright (C) 2000 by Francesco Zappa Nardelli

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.

IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Credits

Keith Packard wrote the pcf driver found in XFree86. His work is at the same time the specification and the sample implementation of the PCF format. Undoubtedly, this driver is inspired from his work.

\\`

HARFBUZZ

HarfBuzz is licensed under the so-called "Old MIT" license. Details follow. For parts of HarfBuzz that are licensed under different licenses see individual files names COPYING in subdirectories where applicable.

Copyright © 2010-2022 Google, Inc.
Copyright © 2015-2020 Ebrahim Byagowi
Copyright © 2019,2020 Facebook, Inc.
Copyright © 2012,2015 Mozilla Foundation
Copyright © 2011 Codethink Limited
Copyright © 2008,2010 Nokia Corporation and/or its subsidiary(-ies)
Copyright © 2009 Keith Stribley
Copyright © 2011 Martin Hosken and SIL International
Copyright © 2007 Chris Wilson
Copyright © 2005,2006,2020,2021,2022,2023 Behdad Esfahbod
Copyright © 2004,2007,2008,2009,2010,2013,2021,2022,2023 Red Hat, Inc.
Copyright © 1998-2005 David Turner and Werner Lemberg
Copyright © 2016 Igalia S.L.
Copyright © 2022 Matthias Clasen
Copyright © 2018,2021 Khaled Hosny
Copyright © 2018,2019,2020 Adobe, Inc
Copyright © 2013-2015 Alexei Podtelezhnikov

For full copyright notices consult the individual files in the package.

Permission is hereby granted, without written agreement and without license or royalty fees, to use, copy, modify, and distribute this software and its documentation for any purpose, provided that the above copyright notice and the following two paragraphs appear in all copies of this software.

IN NO EVENT SHALL THE COPYRIGHT HOLDER BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS SOFTWARE AND ITS DOCUMENTATION, EVEN IF THE COPYRIGHT HOLDER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

THE COPYRIGHT HOLDER SPECIFICALLY DISCLAIMS ANY WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND

[Public]

FITNESS FOR A PARTICULAR PURPOSE. THE SOFTWARE PROVIDED HEREUNDER IS ON AN "AS IS" BASIS, AND THE COPYRIGHT HOLDER HAS NO OBLIGATION TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.

LCMS2

Little CMS

Copyright (c) 1998-2020 Marti Maria Saguer

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

LIBAVIF

Copyright 2019 Joe Drago. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Files: src/obu.c

Copyright © 2018-2019, VideoLAN and dav1d authors

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Files: third_party/iccjpeg/*

In plain English:

1. We don't promise that this software works. (But if you find any bugs, please let us know!)
2. You can use this software for whatever you want. You don't have to pay us.
3. You may not pretend that you wrote this software. If you use it in a program, you must acknowledge somewhere in your documentation that you've used the IJG code.

In legalese:

The authors make NO WARRANTY or representation, either express or implied, with respect to this software, its quality, accuracy, merchantability, or fitness for a particular purpose. This software is provided "AS IS", and you, its user, assume the entire risk as to its quality and accuracy.

This software is copyright (C) 1991-2013, Thomas G. Lane, Guido Vollbeding. All Rights Reserved except as specified below.

Permission is hereby granted to use, copy, modify, and distribute this software (or portions thereof) for any purpose, without fee, subject to these conditions:

- (1) If any part of the source code for this software is distributed, then this README file must be included, with this copyright and no-warranty notice unaltered; and any additions, deletions, or changes to the original files must be clearly indicated in accompanying documentation.
- (2) If only executable code is distributed, then the accompanying documentation must state that "this software is based in part on the work of the Independent JPEG Group".
- (3) Permission for use of this software is granted only if the user accepts full responsibility for any undesirable consequences; the authors accept

NO LIABILITY for damages of any kind.

These conditions apply to any software derived from or based on the IJG code, not just to the unmodified library. If you use our work, you ought to acknowledge us.

Permission is NOT granted for the use of any IJG author's name or company name in advertising or publicity relating to this software or products derived from it. This software may be referred to only as "the Independent JPEG Group's software".

We specifically permit and encourage the use of this software as the basis of commercial products, provided that all warranty or liability claims are assumed by the product vendor.

The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltmain.sh). Another support script, install-sh, is copyright by X Consortium but is also freely distributable.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

We are required to state that

"The Graphics Interchange Format(c) is the Copyright property of CompuServe Incorporated. GIF(sm) is a Service Mark property of CompuServe Incorporated."

Files: contrib/gdk-pixbuf/*

Copyright 2020 Emmanuel Gil Peyrot. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,

OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Files: android_jni/gradlew*

Apache License
Version 2.0, January 2004
<http://www.apache.org/licenses/>

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally

submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

- (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and
- (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
- (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
- (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained

within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer,

and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Files: third_party/libyuv/*

Copyright 2011 The LibYuv Project Authors. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of Google nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

LIBJPEG

1. We don't promise that this software works. (But if you find any bugs, please let us know!)
2. You can use this software for whatever you want. You don't have to pay us.
3. You may not pretend that you wrote this software. If you use it in a program, you must acknowledge somewhere in your documentation that you've used the IJG code.

In legalese:

The authors make NO WARRANTY or representation, either express or implied, with respect to this software, its quality, accuracy, merchantability, or fitness for a particular purpose. This software is provided "AS IS", and you, its user, assume the entire risk as to its quality and accuracy.

This software is copyright (C) 1991-2020, Thomas G. Lane, Guido Vollbeding. All Rights Reserved except as specified below.

Permission is hereby granted to use, copy, modify, and distribute this software (or portions thereof) for any purpose, without fee, subject to these conditions:

- (1) If any part of the source code for this software is distributed, then this README file must be included, with this copyright and no-warranty notice unaltered; and any additions, deletions, or changes to the original files must be clearly indicated in accompanying documentation.
- (2) If only executable code is distributed, then the accompanying documentation must state that "this software is based in part on the work of the Independent JPEG Group".
- (3) Permission for use of this software is granted only if the user accepts full responsibility for any undesirable consequences; the authors accept NO LIABILITY for damages of any kind.

These conditions apply to any software derived from or based on the IJG code, not just to the unmodified library. If you use our work, you ought to acknowledge us.

Permission is NOT granted for the use of any IJG author's name or company name in advertising or publicity relating to this software or products derived from it. This software may be referred to only as "the Independent JPEG Group's software".

We specifically permit and encourage the use of this software as the basis of

commercial products, provided that all warranty or liability claims are assumed by the product vendor.

LIBLZMA

XZ Utils Licensing

=====

Different licenses apply to different files in this package. Here is a rough summary of which licenses apply to which parts of this package (but check the individual files to be sure!):

- liblzma is in the public domain.
- xz, xzdec, and lzmadec command line tools are in the public domain unless GNU getopt_long had to be compiled and linked in from the lib directory. The getopt_long code is under GNU LGPLv2.1+.
- The scripts to grep, diff, and view compressed files have been adapted from gzip. These scripts and their documentation are under GNU GPLv2+.
- All the documentation in the doc directory and most of the XZ Utils specific documentation files in other directories are in the public domain.
- Translated messages are in the public domain.
- The build system contains public domain files, and files that are under GNU GPLv2+ or GNU GPLv3+. None of these files end up in the binaries being built.
- Test files and test code in the tests directory, and debugging utilities in the debug directory are in the public domain.
- The extra directory may contain public domain files, and files that are under various free software licenses.

You can do whatever you want with the files that have been put into the public domain. If you find public domain legally problematic, take the previous sentence as a license grant. If you still find the lack of copyright legally problematic, you have too many lawyers.

As usual, this software is provided "as is", without any warranty.

If you copy significant amounts of public domain code from XZ Utils into your project, acknowledging this somewhere in your software is polite (especially if it is proprietary, non-free software), but naturally it is not legally required. Here is an example of a good notice to put into "about box" or into documentation:

This software includes code from XZ Utils <<http://tukaani.org/xz/>>.

The following license texts are included in the following files:

- COPYING.LGPLv2.1: GNU Lesser General Public License version 2.1
- COPYING.GPLv2: GNU General Public License version 2
- COPYING.GPLv3: GNU General Public License version 3

Note that the toolchain (compiler, linker etc.) may add some code pieces that are copyrighted. Thus, it is possible that e.g. liblzma binary wouldn't actually be in the public domain in its entirety even though it contains no copyrighted code from the XZ Utils source package.

If you have questions, don't hesitate to ask the author(s) for more information.

LIBPNG

COPYRIGHT NOTICE, DISCLAIMER, and LICENSE

=====

PNG Reference Library License version 2

- * Copyright (c) 1995-2022 The PNG Reference Library Authors.
- * Copyright (c) 2018-2022 Cosmin Truta.
- * Copyright (c) 2000-2002, 2004, 2006-2018 Glenn Randers-Pehrson.
- * Copyright (c) 1996-1997 Andreas Dilger.
- * Copyright (c) 1995-1996 Guy Eric Schalnat, Group 42, Inc.

The software is supplied "as is", without warranty of any kind, express or implied, including, without limitation, the warranties of merchantability, fitness for a particular purpose, title, and non-infringement. In no event shall the Copyright owners, or anyone distributing the software, be liable for any damages or other liability, whether in contract, tort or otherwise, arising from, out of, or in connection with the software, or the use or other dealings in the software, even if advised of the possibility of such damage.

Permission is hereby granted to use, copy, modify, and distribute this software, or portions hereof, for any purpose, without fee, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated, but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This Copyright notice may not be removed or altered from any source or altered source distribution.

PNG Reference Library License version 1 (for libpng 0.5 through 1.6.35)

libpng versions 1.0.7, July 1, 2000, through 1.6.35, July 15, 2018 are Copyright (c) 2000-2002, 2004, 2006-2018 Glenn Randers-Pehrson, are derived from libpng-1.0.6, and are distributed according to the same disclaimer and license as libpng-1.0.6 with the following individuals added to the list of Contributing Authors:

Simon-Pierre Cadieux
Eric S. Raymond
Mans Rullgard
Cosmin Truta
Gilles Vollant
James Yu
Mandar Sahastrabuddhe
Google Inc.
Vadim Barkov

and with the following additions to the disclaimer:

There is no warranty against interference with your enjoyment of the library or against infringement. There is no warranty that our efforts or the library will fulfill any of your particular purposes or needs. This library is provided with all faults, and the entire risk of satisfactory quality, performance, accuracy, and effort is with the user.

Some files in the "contrib" directory and some configure-generated files that are distributed with libpng have other copyright owners, and are released under other open source licenses.

libpng versions 0.97, January 1998, through 1.0.6, March 20, 2000, are Copyright (c) 1998-2000 Glenn Randers-Pehrson, are derived from libpng-0.96, and are distributed according to the same disclaimer and license as libpng-0.96, with the following individuals added to the list of Contributing Authors:

Tom Lane
Glenn Randers-Pehrson
Willem van Schaik

libpng versions 0.89, June 1996, through 0.96, May 1997, are Copyright (c) 1996-1997 Andreas Dilger, are derived from libpng-0.88, and are distributed according to the same disclaimer and license as libpng-0.88, with the following individuals added to the list of Contributing Authors:

John Bowler
Kevin Bracey
Sam Bushell
Magnus Holmgren
Greg Roelofs
Tom Tanner

Some files in the "scripts" directory have other copyright owners, but are released under this license.

libpng versions 0.5, May 1995, through 0.88, January 1996, are

Copyright (c) 1995-1996 Guy Eric Schalnat, Group 42, Inc.

For the purposes of this copyright and license, "Contributing Authors" is defined as the following set of individuals:

Andreas Dilger
Dave Martindale
Guy Eric Schalnat
Paul Schmidt
Tim Wegner

The PNG Reference Library is supplied "AS IS". The Contributing Authors and Group 42, Inc. disclaim all warranties, expressed or implied, including, without limitation, the warranties of merchantability and of fitness for any purpose. The Contributing Authors and Group 42, Inc. assume no liability for direct, indirect, incidental, special, exemplary, or consequential damages, which may result from the use of the PNG Reference Library, even if advised of the possibility of such damage.

Permission is hereby granted to use, copy, modify, and distribute this source code, or portions hereof, for any purpose, without fee, subject to the following restrictions:

1. The origin of this source code must not be misrepresented.
2. Altered versions must be plainly marked as such and must not be misrepresented as being the original source.
3. This Copyright notice may not be removed or altered from any source or altered source distribution.

The Contributing Authors and Group 42, Inc. specifically permit, without fee, and encourage the use of this source code as a component to supporting the PNG file format in commercial products. If you use this source code in a product, acknowledgment is not required but would be appreciated.

LIBTIFF

Copyright (c) 1988-1997 Sam Leffler
Copyright (c) 1991-1997 Silicon Graphics, Inc.

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that (i) the above copyright notices and this permission notice appear in all copies of the software and related documentation, and (ii) the names of Sam Leffler and Silicon Graphics may not be used in any advertising or publicity relating to the software without the specific, prior written permission of Sam Leffler and Silicon Graphics.

THE SOFTWARE IS PROVIDED "AS-IS" AND WITHOUT WARRANTY OF ANY KIND, EXPRESS, IMPLIED OR OTHERWISE, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

IN NO EVENT SHALL SAM LEFFLER OR SILICON GRAPHICS BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER OR NOT ADVISED OF THE POSSIBILITY OF DAMAGE, AND ON ANY THEORY OF LIABILITY, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

LIBWEBP

Copyright (c) 2010, Google Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of Google nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

LIBYUV

Copyright 2011 The LibYuv Project Authors. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in

the documentation and/or other materials provided with the distribution.

- * Neither the name of Google nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

OPENJPEG

*

- * The copyright in this software is being made available under the 2-clauses BSD License, included below. This software may be subject to other third party and contributor rights, including patent rights, and no such rights are granted under this license.

*

- * Copyright (c) 2002-2014, Universite catholique de Louvain (UCL), Belgium
- * Copyright (c) 2002-2014, Professor Benoit Macq
- * Copyright (c) 2003-2014, Antonin Descampe
- * Copyright (c) 2003-2009, Francois-Olivier Devaux
- * Copyright (c) 2005, Herve Drolon, FreeImage Team
- * Copyright (c) 2002-2003, Yannick Verschueren
- * Copyright (c) 2001-2003, David Janssens
- * Copyright (c) 2011-2012, Centre National d'Etudes Spatiales (CNES), France
- * Copyright (c) 2012, CS Systemes d'Information, France

*

- * All rights reserved.

*

- * Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
- * 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

*

- * THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS `AS IS' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS

[Public]

* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
* POSSIBILITY OF SUCH DAMAGE.
*/

RAQM

The MIT License (MIT)

Copyright © 2015 Information Technology Authority (ITA) <foss@ita.gov.om>
Copyright © 2016 Khaled Hosny <khaledhosny@eglug.org>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

XAU

Copyright 1988, 1993, 1994, 1998 The Open Group

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation.

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE OPEN GROUP BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of The Open Group shall not be

[Public]

used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from The Open Group.

XCB

Copyright (C) 2001-2006 Bart Massey, Jamey Sharp, and Josh Triplett.
All Rights Reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the names of the authors or their institutions shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from the authors.

XDMCP

Copyright 1989, 1998 The Open Group

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation.

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE

[Public]

OPEN GROUP BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of The Open Group shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from The Open Group.

Author: Keith Packard, MIT X Consortium

ZLIB

(C) 1995-2017 Jean-loup Gailly and Mark Adler

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

Jean-loup Gailly Mark Adler
jloup@gzip.org madler@alumni.caltech.edu

If you use the zlib library in a product, we would appreciate *not* receiving lengthy legal documents to sign. The sources are provided for free but without warranty of any kind. The library has been entirely written by Jean-loup Gailly and Mark Adler; it does not include third-party code.

If you redistribute modified sources, we would appreciate that you include in the file ChangeLog history information documenting your changes. Please read the FAQ for more information on the distribution of modified source versions.

pip version 19.2.3

<<<<<<<<<xilinx-separator>>>>>>>>>

""""

Copyright (c) 2008-2019 The pip developers (see AUTHORS.txt file)

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to

permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

```
>>> vendor/chardet
##### BEGIN LICENSE BLOCK #####
# The Original Code is Mozilla Universal charset detector code.
#
# The Initial Developer of the Original Code is
# Netscape Communications Corporation.
# Portions created by the Initial Developer are Copyright (C) 2001
# the Initial Developer. All Rights Reserved.
#
# Contributor(s):
#  Mark Pilgrim - port to Python
#  Shy Shalom - original C code
#  Proofpoint, Inc.
#
# This library is free software; you can redistribute it and/or
# modify it under the terms of the GNU Lesser General Public
# License as published by the Free Software Foundation; either
# version 2.1 of the License, or (at your option) any later version.
#
# This library is distributed in the hope that it will be useful,
# but WITHOUT ANY WARRANTY; without even the implied warranty of
# MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
# Lesser General Public License for more details.
#
# You should have received a copy of the GNU Lesser General Public
# License along with this library; if not, write to the Free Software
# Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA
# 02110-1301 USA
##### END LICENSE BLOCK #####
```

```
>>>> vendor/packaging

# This file is dual licensed under the terms of the Apache License, Version
# 2.0, and the BSD License. See the LICENSE file in the root of this repository
# for complete details.
```

```
>>>> vendor/pep517
# Copyright 2012 Facebook
#
# Licensed under the Apache License, Version 2.0 (the "License"); you may
# not use this file except in compliance with the License. You may obtain
# a copy of the License at
#
# http://www.apache.org/licenses/LICENSE-2.0
```

```
#
# Unless required by applicable law or agreed to in writing, software
# distributed under the License is distributed on an "AS IS" BASIS, WITHOUT
# WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the
# License for the specific language governing permissions and limitations
# under the License.

>>> distro.py, retrying.py
# Copyright 2015,2016,2017 Nir Cohen
#
# Licensed under the Apache License, Version 2.0 (the "License");
# you may not use this file except in compliance with the License.
# You may obtain a copy of the License at
#
# http://www.apache.org/licenses/LICENSE-2.0
#
# Unless required by applicable law or agreed to in writing, software
# distributed under the License is distributed on an "AS IS" BASIS,
# WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
# See the License for the specific language governing permissions and
# limitations under the License.

>>> tarfile.py
"""
# Copyright (c) 2008-2016 The pip developers (see AUTHORS.txt file)
#
# Permission is hereby granted, free of charge, to any person obtaining
# a copy of this software and associated documentation files (the
# "Software"), to deal in the Software without restriction, including
# without limitation the rights to use, copy, modify, merge, publish,
# distribute, sublicense, and/or sell copies of the Software, and to
# permit persons to whom the Software is furnished to do so, subject to
# the following conditions:
#
# The above copyright notice and this permission notice shall be
# included in all copies or substantial portions of the Software.
#
# THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
# EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
# MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
# NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE
# LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION
# OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION
# WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

>>> vendor/chardet
##### BEGIN LICENSE BLOCK #####
# The Original Code is Mozilla Universal charset detector code.
#
# The Initial Developer of the Original Code is
# Netscape Communications Corporation.
# Portions created by the Initial Developer are Copyright (C) 2001
# the Initial Developer. All Rights Reserved.
#
# Contributor(s):
# Mark Pilgrim - port to Python
# Shy Shalom - original C code
# Proofpoint, Inc.
```



```
#
# This library is free software; you can redistribute it and/or
# modify it under the terms of the GNU Lesser General Public
# License as published by the Free Software Foundation; either
# version 2.1 of the License, or (at your option) any later version.
#
# This library is distributed in the hope that it will be useful,
# but WITHOUT ANY WARRANTY; without even the implied warranty of
# MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
# Lesser General Public License for more details.
#
# You should have received a copy of the GNU Lesser General Public
# License along with this library; if not, write to the Free Software
# Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA
# 02110-1301 USA
##### END LICENSE BLOCK #####
```

>>>> vendor/packaging

```
# This file is dual licensed under the terms of the Apache License, Version
# 2.0, and the BSD License. See the LICENSE file in the root of this repository
# for complete details.
```

>>>> vendor/pep517

```
# Copyright 2012 Facebook
#
# Licensed under the Apache License, Version 2.0 (the "License"); you may
# not use this file except in compliance with the License. You may obtain
# a copy of the License at
#
# http://www.apache.org/licenses/LICENSE-2.0
#
# Unless required by applicable law or agreed to in writing, software
# distributed under the License is distributed on an "AS IS" BASIS, WITHOUT
# WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the
# License for the specific language governing permissions and limitations
# under the License.
```

>>> distro.py, retrying.py

```
# Copyright 2015,2016,2017 Nir Cohen
#
# Licensed under the Apache License, Version 2.0 (the "License");
# you may not use this file except in compliance with the License.
# You may obtain a copy of the License at
#
# http://www.apache.org/licenses/LICENSE-2.0
#
# Unless required by applicable law or agreed to in writing, software
# distributed under the License is distributed on an "AS IS" BASIS,
# WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
# See the License for the specific language governing permissions and
# limitations under the License.
```

>>>> vendor/tenacity

```
#The text of the Apache License, Version 2.0, a copy of which is made available below in Part Four of this document, was originally
presented here, or as applicable,
#applies to the above-listed file(s).
```

```
>>>>vendor/resolvelib
#Copyright (c) 2018, Tzu-ping Chung <uranusjr@gmail.com>
#
#Permission to use, copy, modify, and distribute this software for any
#purpose with or without fee is hereby granted, provided that the above
#copyright notice and this permission notice appear in all copies.
#
#THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES
#WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF
#MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR
#ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES
#WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN
#ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF
#OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.
```

```
>>>> vendor/typing-extensions
##### BEGIN LICENSE BLOCK #####
#A. HISTORY OF THE SOFTWARE
#=====
#
#Python was created in the early 1990s by Guido van Rossum at Stichting
#Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
#as a successor of a language called ABC. Guido remains Python's
#principal author, although it includes many contributions from others.
#
#In 1995, Guido continued his work on Python at the Corporation for
#National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
#in Reston, Virginia where he released several versions of the
#software.
#
#In May 2000, Guido and the Python core development team moved to
#BeOpen.com to form the BeOpen PythonLabs team. In October of the same
#year, the PythonLabs team moved to Digital Creations (now Zope
#Corporation, see http://www.zope.com). In 2001, the Python Software
#Foundation (PSF, see http://www.python.org/psf/) was formed, a
#non-profit organization created specifically to own Python-related
#Intellectual Property. Zope Corporation is a sponsoring member of
#the PSF.
#
#All Python releases are Open Source (see http://www.opensource.org for
#the Open Source Definition). Historically, most, but not all, Python
#releases have also been GPL-compatible; the table below summarizes
#the various releases.
```

```
#
```

# Release	Derived	Year	Owner	GPL-
# from				compatible? (1)
#				
# 0.9.0 thru 1.2		1991-1995	CWI	yes
# 1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
# 1.6	1.5.2	2000	CNRI	no
# 2.0	1.6	2000	BeOpen.com	no
# 1.6.1	1.6	2001	CNRI	yes (2)
# 2.1	2.0+1.6.1	2001	PSF	no
# 2.0.1	2.0+1.6.1	2001	PSF	yes
# 2.1.1	2.1+2.0.1	2001	PSF	yes

[Public]

```
# 2.1.2      2.1.1    2002    PSF    yes
# 2.1.3      2.1.2    2002    PSF    yes
# 2.2 and above 2.1.1    2001-now PSF    yes
```

```
#
#Footnotes:
```

```
#
#(1) GPL-compatible doesn't mean that we're distributing Python under
# the GPL. All Python licenses, unlike the GPL, let you distribute
# a modified version without making your changes open source. The
# GPL-compatible licenses make it possible to combine Python with
# other software that is released under the GPL; the others don't.
```

```
#
#(2) According to Richard Stallman, 1.6.1 is not GPL-compatible,
# because its license has a choice of law clause. According to
# CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1
# is "not incompatible" with the GPL.
```

```
#
#Thanks to the many outside volunteers who have worked under Guido's
#direction to make these releases possible.
```

#B. TERMS AND CONDITIONS FOR ACCESSING OR OTHERWISE USING PYTHON

```
#=====
```

#PYTHON SOFTWARE FOUNDATION LICENSE VERSION 2

```
#-----
```

```
#
#1. This LICENSE AGREEMENT is between the Python Software Foundation
#("PSF"), and the Individual or Organization ("Licensee") accessing and
#otherwise using this software ("Python") in source or binary form and
#its associated documentation.
```

```
#
#2. Subject to the terms and conditions of this License Agreement, PSF hereby
#grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce,
#analyze, test, perform and/or display publicly, prepare derivative works,
#distribute, and otherwise use Python alone or in any derivative version,
#provided, however, that PSF's License Agreement and PSF's notice of copyright,
#i.e., "Copyright (c) 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010,
#2011, 2012, 2013, 2014 Python Software Foundation; All Rights Reserved" are
#retained in Python alone or in any derivative version prepared by Licensee.
```

```
#
#3. In the event Licensee prepares a derivative work that is based on
#or incorporates Python or any part thereof, and wants to make
#the derivative work available to others as provided herein, then
#Licensee hereby agrees to include in any such work a brief summary of
#the changes made to Python.
```

```
#
#4. PSF is making Python available to Licensee on an "AS IS"
#basis. PSF MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR
#IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, PSF MAKES NO AND
#DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS
#FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON WILL NOT
#INFRINGE ANY THIRD PARTY RIGHTS.
```

```
#
#5. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON
#FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS
#A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON,
#OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.
```

```
#
#6. This License Agreement will automatically terminate upon a material
#breach of its terms and conditions.
#
#7. Nothing in this License Agreement shall be deemed to create any
#relationship of agency, partnership, or joint venture between PSF and
#Licensee. This License Agreement does not grant permission to use PSF
#trademarks or trade name in a trademark sense to endorse or promote
#products or services of Licensee, or any third party.
#
#8. By copying, installing or otherwise using Python, Licensee
#agrees to be bound by the terms and conditions of this License
#Agreement.
#
#
#BEOPEN.COM LICENSE AGREEMENT FOR PYTHON 2.0
#-----
#
#BEOPEN PYTHON OPEN SOURCE LICENSE AGREEMENT VERSION 1
#
#1. This LICENSE AGREEMENT is between BeOpen.com ("BeOpen"), having an
#office at 160 Saratoga Avenue, Santa Clara, CA 95051, and the
#Individual or Organization ("Licensee") accessing and otherwise using
#this software in source or binary form and its associated
#documentation ("the Software").
#
#2. Subject to the terms and conditions of this BeOpen Python License
#Agreement, BeOpen hereby grants Licensee a non-exclusive,
#royalty-free, world-wide license to reproduce, analyze, test, perform
#and/or display publicly, prepare derivative works, distribute, and
#otherwise use the Software alone or in any derivative version,
#provided, however, that the BeOpen Python License is retained in the
#Software, alone or in any derivative version prepared by Licensee.
#
#3. BeOpen is making the Software available to Licensee on an "AS IS"
#basis. BEOPEN MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR
#IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, BEOPEN MAKES NO AND
#DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS
#FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE WILL NOT
#INFRINGE ANY THIRD PARTY RIGHTS.
#
#4. BEOPEN SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF THE
#SOFTWARE FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS
#AS A RESULT OF USING, MODIFYING OR DISTRIBUTING THE SOFTWARE, OR ANY
#DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.
#
#5. This License Agreement will automatically terminate upon a material
#breach of its terms and conditions.
#
#6. This License Agreement shall be governed by and interpreted in all
#respects by the law of the State of California, excluding conflict of
#law provisions. Nothing in this License Agreement shall be deemed to
#create any relationship of agency, partnership, or joint venture
#between BeOpen and Licensee. This License Agreement does not grant
#permission to use BeOpen trademarks or trade names in a trademark
#sense to endorse or promote products or services of Licensee, or any
#third party. As an exception, the "BeOpen Python" logos available at
#http://www.pythonlabs.com/logos.html may be used according to the
```

#permissions granted on that web page.

#7. By copying, installing or otherwise using the software, Licensee
#agrees to be bound by the terms and conditions of this License
#Agreement.

#CNRI LICENSE AGREEMENT FOR PYTHON 1.6.1
#-----

#1. This LICENSE AGREEMENT is between the Corporation for National
#Research Initiatives, having an office at 1895 Preston White Drive,
#Reston, VA 20191 ("CNRI"), and the Individual or Organization
#("Licensee") accessing and otherwise using Python 1.6.1 software in
#source or binary form and its associated documentation.

#2. Subject to the terms and conditions of this License Agreement, CNRI
#hereby grants Licensee a nonexclusive, royalty-free, world-wide
#license to reproduce, analyze, test, perform and/or display publicly,
#prepare derivative works, distribute, and otherwise use Python 1.6.1
#alone or in any derivative version, provided, however, that CNRI's
#License Agreement and CNRI's notice of copyright, i.e., "Copyright (c)
#1995-2001 Corporation for National Research Initiatives; All Rights
#Reserved" are retained in Python 1.6.1 alone or in any derivative
#version prepared by Licensee. Alternately, in lieu of CNRI's License
#Agreement, Licensee may substitute the following text (omitting the
#quotes): "Python 1.6.1 is made available subject to the terms and
#conditions in CNRI's License Agreement. This Agreement together with
#Python 1.6.1 may be located on the Internet using the following
#unique, persistent identifier (known as a handle): 1895.22/1013. This
#Agreement may also be obtained from a proxy server on the Internet
#using the following URL: <http://hdl.handle.net/1895.22/1013>".

#3. In the event Licensee prepares a derivative work that is based on
#or incorporates Python 1.6.1 or any part thereof, and wants to make
#the derivative work available to others as provided herein, then
#Licensee hereby agrees to include in any such work a brief summary of
#the changes made to Python 1.6.1.

#4. CNRI is making Python 1.6.1 available to Licensee on an "AS IS"
#basis. CNRI MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR
#IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, CNRI MAKES NO AND
#DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS
#FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON 1.6.1 WILL NOT
#INFRINGE ANY THIRD PARTY RIGHTS.

#5. CNRI SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON
#1.6.1 FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS
#A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON 1.6.1,
#OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

#6. This License Agreement will automatically terminate upon a material
#breach of its terms and conditions.

#7. This License Agreement shall be governed by the federal
#intellectual property law of the United States, including without
#limitation the federal copyright law, and, to the extent such
#U.S. federal law does not apply, by the law of the Commonwealth of

```
#Virginia, excluding Virginia's conflict of law provisions.
#Notwithstanding the foregoing, with regard to derivative works based
#on Python 1.6.1 that incorporate non-separable material that was
#previously distributed under the GNU General Public License (GPL), the
#law of the Commonwealth of Virginia shall govern this License
#Agreement only as to issues arising under or with respect to
#Paragraphs 4, 5, and 7 of this License Agreement. Nothing in this
#License Agreement shall be deemed to create any relationship of
#agency, partnership, or joint venture between CNRI and Licensee. This
#License Agreement does not grant permission to use CNRI trademarks or
#trade name in a trademark sense to endorse or promote products or
#services of Licensee, or any third party.
#
#8. By clicking on the "ACCEPT" button where indicated, or by copying,
#installing or otherwise using Python 1.6.1, Licensee agrees to be
#bound by the terms and conditions of this License Agreement.
#
#    ACCEPT
#
#
#CWI LICENSE AGREEMENT FOR PYTHON 0.9.0 THROUGH 1.2
#-----
#
#Copyright (c) 1991 - 1995, Stichting Mathematisch Centrum Amsterdam,
#The Netherlands. All rights reserved.
#
#Permission to use, copy, modify, and distribute this software and its
#documentation for any purpose and without fee is hereby granted,
#provided that the above copyright notice appear in all copies and that
#both that copyright notice and this permission notice appear in
#supporting documentation, and that the name of Stichting Mathematisch
#Centrum or CWI not be used in advertising or publicity pertaining to
#distribution of the software without specific, written prior
#permission.
#
#STICHTING MATHEMATISCH CENTRUM DISCLAIMS ALL WARRANTIES WITH REGARD TO
#THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND
#FITNESS, IN NO EVENT SHALL STICHTING MATHEMATISCH CENTRUM BE LIABLE
#FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES
#WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN
#ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT
#OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.
#
##### END LICENSE BLOCK #####

>>>>vendor/tomli
#Copyright (c) 2021 Taneli Hukkinen
#
#Permission is hereby granted, free of charge, to any person obtaining a copy
#of this software and associated documentation files (the "Software"), to deal
#in the Software without restriction, including without limitation the rights
#to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
#copies of the Software, and to permit persons to whom the Software is
#furnished to do so, subject to the following conditions:
#
#The above copyright notice and this permission notice shall be included in all
#copies or substantial portions of the Software.
#
```

```
#THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
#IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
#FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
#AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
#LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
#OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
#SOFTWARE.
```

```
>>>>vendor/platformdirs
```

```
#Copyright (c) 2010-202x The platformdirs developers
```

```
#
```

```
#Permission is hereby granted, free of charge, to any person obtaining a copy
#of this software and associated documentation files (the "Software"), to deal
#in the Software without restriction, including without limitation the rights
#to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
#copies of the Software, and to permit persons to whom the Software is
#furnished to do so, subject to the following conditions:
```

```
#
```

```
#The above copyright notice and this permission notice shall be included in all
#copies or substantial portions of the Software.
```

```
#
```

```
#THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
#IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
#FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
#AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
#LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
#OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
#SOFTWARE.
```

```
>>>>vendor/pkg-resources
```

```
#Copyright (C) 2016 Jason R Coombs <jaraco@jaraco.com>
```

```
#
```

```
#Permission is hereby granted, free of charge, to any person obtaining a copy of
#this software and associated documentation files (the "Software"), to deal in
#the Software without restriction, including without limitation the rights to
#use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies
#of the Software, and to permit persons to whom the Software is furnished to do
#so, subject to the following conditions:
```

```
#
```

```
#The above copyright notice and this permission notice shall be included in all
#copies or substantial portions of the Software.
```

```
#
```

```
#THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
#IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
#FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
#AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
#LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
#OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
#SOFTWARE.
```

```
>>>>vendor/msgpack
```

```
#Copyright (C) 2008-2011 INADA Naoki <songofacandy@gmail.com>
```

```
#
```

```
# Licensed under the Apache License, Version 2.0 (the "License");
# you may not use this file except in compliance with the License.
```



```
# You may obtain a copy of the License at
#
#   http://www.apache.org/licenses/LICENSE-2.0
#
# Unless required by applicable law or agreed to in writing, software
# distributed under the License is distributed on an "AS IS" BASIS,
# WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
# See the License for the specific language governing permissions and
# limitations under the License.
#
```

```
>>>>vendor/certifi
#This package contains a modified version of ca-bundle.crt:
#
#ca-bundle.crt -- Bundle of CA Root Certificates
#
#Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#
#This is a bundle of X.509 certificates of public Certificate Authorities
#(CA). These were automatically extracted from Mozilla's root certificates
#file (certdata.txt). This file can be found in the mozilla source tree:
#https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/certdata.txt
#It contains the certificates in PEM format and therefore
#can be directly used with curl / libcurl / php_curl, or with
#an Apache+mod_ssl webserver for SSL client authentication.
#Just configure this file as the SSLCACertificateFile.#
#
#***** BEGIN LICENSE BLOCK *****
#This Source Code Form is subject to the terms of the Mozilla Public License,
#v. 2.0. If a copy of the MPL was not distributed with this file, You can obtain
#one at http://mozilla.org/MPL/2.0/.
#
#***** END LICENSE BLOCK *****
```

```
>>>>vendor/requests
#The text of the Apache License, Version 2.0, a copy of which is made available below in Part Four of this document, was originally
presented here, or as applicable,
#applies to the above-listed file(s).
```

```
>>>>vendor/idna
#Copyright (c) 2013-2021, Kim Davies All rights reserved.
#
#Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions
are met:
#
#Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
#
#Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
#
#Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from
this software without specific prior written permission.
#
#THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT,
INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT
```

OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

#

>>>>vendor/distlib

#The text of the Apache License, Version 2.0, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable,
#applies to the above-listed file(s).

>>>>vendor/webencodings

#Copyright (c) 2012 by Simon Sapin.

#

#Some rights reserved.

#

#Redistribution and use in source and binary forms, with or without
#modification, are permitted provided that the following conditions are
#met:

#

* Redistributions of source code must retain the above copyright
notice, this list of conditions and the following disclaimer.

#

* Redistributions in binary form must reproduce the above
copyright notice, this list of conditions and the following
disclaimer in the documentation and/or other materials provided
with the distribution.

#

* The names of the contributors may not be used to endorse or
promote products derived from this software without specific
prior written permission.

#

#THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
#"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
#LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR
#A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT
#OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
#SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
#LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
#DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
#THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
#(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
#OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

>>>>vendor/pygments

#Copyright (c) 2006-2021 by the respective authors (see AUTHORS file).

#All rights reserved.

#

#Redistribution and use in source and binary forms, with or without
#modification, are permitted provided that the following conditions are
#met:

#

#* Redistributions of source code must retain the above copyright
notice, this list of conditions and the following disclaimer.

#

#* Redistributions in binary form must reproduce the above copyright

```
# notice, this list of conditions and the following disclaimer in the
# documentation and/or other materials provided with the distribution.
#
#THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
#"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
#LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR
#A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT
#OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
#SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
#LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
#DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
#THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
#(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
#OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
#
```

```
>>>>vendor/cachecontrol
#Copyright 2012-2021 Eric Larson
#
#Licensed under the Apache License, Version 2.0 (the "License");
#you may not use this file except in compliance with the License.
#You may obtain a copy of the License at
#
# http://www.apache.org/licenses/LICENSE-2.0
#
#Unless required by applicable law or agreed to in writing, software
#distributed under the License is distributed on an "AS IS" BASIS,
#WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
#See the License for the specific language governing permissions and
#limitations under the License.
```

```
>>>>vendor/urllib
#Copyright (c) 2008-2020 Andrey Petrov and contributors (see CONTRIBUTORS.txt)
#
#Permission is hereby granted, free of charge, to any person obtaining a copy
#of this software and associated documentation files (the "Software"), to deal
#in the Software without restriction, including without limitation the rights
#to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
#copies of the Software, and to permit persons to whom the Software is
#furnished to do so, subject to the following conditions:
#
#The above copyright notice and this permission notice shall be included in all
#copies or substantial portions of the Software.
#
#THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
#IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
#FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
#AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
#LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
#OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
#SOFTWARE.
```

```
>>>>vendor/progress
# Copyright (c) 2012 Georgios Verigakis <verigak@gmail.com>
#
```

```
# Permission to use, copy, modify, and distribute this software for any
# purpose with or without fee is hereby granted, provided that the above
# copyright notice and this permission notice appear in all copies.
#
# THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES
# WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF
# MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR
# ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES
# WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN
# ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF
# OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.
```

```
>>>>vendor/html5lib
```

```
Copyright (c) 2006-2013 James Graham and other contributors
```

```
#
#Permission is hereby granted, free of charge, to any person obtaining
#a copy of this software and associated documentation files (the
#"Software"), to deal in the Software without restriction, including
#without limitation the rights to use, copy, modify, merge, publish,
#distribute, sublicense, and/or sell copies of the Software, and to
#permit persons to whom the Software is furnished to do so, subject to
#the following conditions:
#
#The above copyright notice and this permission notice shall be
#included in all copies or substantial portions of the Software.
#
#THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
#EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
#MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
#NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE
#LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION
#OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION
#WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
```

```
>>>
```

```
# module pyparsing.py
```

```
#
# Copyright (c) 2003-2019 Paul T. McGuire
#
```

```
# Permission is hereby granted, free of charge, to any person obtaining
# a copy of this software and associated documentation files (the
# "Software"), to deal in the Software without restriction, including
# without limitation the rights to use, copy, modify, merge, publish,
# distribute, sublicense, and/or sell copies of the Software, and to
# permit persons to whom the Software is furnished to do so, subject to
# the following conditions:
#
# The above copyright notice and this permission notice shall be
# included in all copies or substantial portions of the Software.
#
# THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
# EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
# MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.
# IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY
# CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT,
# TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE
```

SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

#

>>>>

Copyright (c) 2010-2018 Benjamin Peterson

#

Permission is hereby granted, free of charge, to any person obtaining a copy
of this software and associated documentation files (the "Software"), to deal
in the Software without restriction, including without limitation the rights
to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
copies of the Software, and to permit persons to whom the Software is
furnished to do so, subject to the following conditions:

#

The above copyright notice and this permission notice shall be included in all
copies or substantial portions of the Software.

#

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
SOFTWARE.

>>> bsd 3 license for /pip/_vendor/colorama/

Copyright Jonathan Hartley 2013. BSD 3-Clause license, see LICENSE file.

Copyright 2013-2014 Ray Holder

Copyright Matias Capeletto 2006-2007

Copyright 2015-2017 Nir Cohen

Copyright 2014 Rackspace license Apache

Copyright 2002 Peter Dimov and Multi Media Ltd

Copyright 2010-2018 Benjamin Peterson

Copyright 2002, 2005-2009, 2011-2018 Peter Dimov

Copyright 2001 Beman Dawes

Copyright 2014 Rackspace

Copyright (c) 2016 Karolin Varner

Copyright 2008-2019 The pip developers

Copyright 2012 Giorgos Verigakis <verigak@gmail.com>

Copyright 2002 Lars Gustaebel <lars@gustaebel.de>

Copyright 1998, 2001, 2005 the Initial Developer

Copyright 2011 Takaya Saito

Copyright 2015, 2017 Ian Stapleton Cordasco

Copyright 2012 Facebook

Copyright 2001-2005 CrystalClear Software Inc

Copyright 2013 Jonathan Hartley

Copyright 2006-2012 Matias Capeletto

Copyright 2009 Raymond Hettinger released under the MIT License. <http://code.activestate.com/recipes>

Copyright 2003-2019 Paul T. McGuire

Copyright 2014, 2017, 2019 Glen Joseph Fernandes (glenjofe@gmail.com)

Copyright 2014 Rackspace'

Copyright 2015-2016 Will Bond <will@wbond.net>

Copyright 2005 John Maddock

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

```
prometheus-client version 0.12.0
<<<<<<<xilinx-separator>>>>>>>
```

Apache License
Version 2.0, January 2004
<http://www.apache.org/licenses/>

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical

transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

- (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and
- (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
- (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
- (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or

implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of

the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

- (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and
- (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
- (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
- (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one

of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this

License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

prompt-toolkit version 3.0.18
<<<<<<<<<xilinx-separator>>>>>>>>>

Copyright (c) 2014, Jonathan Slenders
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of the {organization} nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

```
prompt-toolkit version 3.0.22
<<<<<<<xilinx-separator>>>>>>>>
```

Copyright (c) 2014, Jonathan Slenders
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of the {organization} nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

```
prompt-toolkit version 3.0.24
<<<<<<<xilinx-separator>>>>>>>
```

Copyright (c) 2014, Jonathan Slenders
All rights reserved.

LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 2014, Jonathan Slenders
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of the {organization} nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright 2014 Jonathan Slenders

```
protobuf version 3.15.6
<<<<<<<xilinx-separator>>>>>>>>
```

>>> BSd 3 License
Copyright 2008 Google Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Code generated by the Protocol Buffer compiler is owned by the owner of the input file used when generating it. This code is not standalone and requires a support library to be linked with it. This support library is itself covered by the above license.

>>> Apache License 2.0

Copyright 2008 Google Inc.

The text of the Apache License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

Copyright 2019 Google LLC

Copyright 2007-2011 Baptiste Lepilleur Distributed

Copyright 2008 Paolo Bonzini <bonzini@gnu.org>

Copyright 2015 Paul Norman <penorman@mac.com>

Copyright 2013 Roy Stogner <roystgmr@ices.utexas.edu>

Copyright 2012 Avionic Design GmbH

Copyright 2007-2010 Baptiste Lepilleur and is released

Copyright 2019 Marc Stevens <marc.stevens@cw.nl>

Copyright 2016 Krzesimir Nowak <qdlacz@gmail.com>

Copyright 2008 Google Inc. <https://developers.google.com/protocol-buffers>

Copyright 2014-2015 Google Inc. contributed by Alexey Sokolov <sokolov@google.com>

Copyright 2016 Google

Copyright 2005-2009, 2011-2019 Google Inc

Copyright 2015 Moritz Klammler <moritz@klammler.eu>

Copyright 2007-2010 Baptiste Lepilleur

Copyright 2008 Benjamin Kosnik <bkoz@redhat.com>

Copyright 2011 Daniel Richard G. <skunk@iSKUNK.ORG>

Copyright 2020 Wang Yi <godspeed_china@yeah.net>

Copyright 2008 Steven G. Johnson <stevenj@alum.mit.edu>

Copyright 2012 Zack Weinberg <zackw@panix.com>

protobuf version 3.21.12

<<<<<<<<xilinx-separator>>>>>>>>>

```
// Protocol Buffers - Google's data interchange format
// Copyright 2008 Google Inc. All rights reserved.
// https://developers.google.com/protocol-buffers/
//
// Redistribution and use in source and binary forms, with or without
// modification, are permitted provided that the following conditions are
// met:
//
// * Redistributions of source code must retain the above copyright
// notice, this list of conditions and the following disclaimer.
// * Redistributions in binary form must reproduce the above
// copyright notice, this list of conditions and the following disclaimer
// in the documentation and/or other materials provided with the
// distribution.
// * Neither the name of Google Inc. nor the names of its
// contributors may be used to endorse or promote products derived from
// this software without specific prior written permission.
//
// THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
// "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
// LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR
// A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT
// OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
// SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
// LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
// DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
// THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
// (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
// OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
```

Copyright 2005-2006, 2008, 2012, 2014 Google Inc

```
// Protocol Buffers - Google's data interchange format
// Copyright 2008 Google Inc. All rights reserved.
// https://developers.google.com/protocol-buffers/
//
// Redistribution and use in source and binary forms, with or without
// modification, are permitted provided that the following conditions are
// met:
//
// * Redistributions of source code must retain the above copyright
// notice, this list of conditions and the following disclaimer.
// * Redistributions in binary form must reproduce the above
// copyright notice, this list of conditions and the following disclaimer
// in the documentation and/or other materials provided with the
// distribution.
// * Neither the name of Google Inc. nor the names of its
// contributors may be used to endorse or promote products derived from
```

```
// this software without specific prior written permission.
//
// THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
// "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
// LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR
// A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT
// OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
// SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
// LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
// DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
// THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
// (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
// OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
```

```
protobuf version 5.29.3
<<<<<<<xilinx-separator>>>>>>>
```

>>> BSd 3 License
Copyright 2008 Google Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Code generated by the Protocol Buffer compiler is owned by the owner of the input file used when generating it. This code is not standalone and requires a support library to be linked with it. This support library is itself covered by the above license.

```
psutil version 5.9.0
<<<<<<<xilinx-separator>>>>>>>
```


Copyright (c) 2009, Jay Loden, Dave Daeschler, Giampaolo Rodola'
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of the psutil authors nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 2009 Jay Loden Dave Daeschler Giampaolo Rodola' All rights reserved.

```
psutil version 6.1.1
<<<<<<<xilinx-separator>>>>>>>
```

BSD 3-Clause License

Copyright (c) 2009, Jay Loden, Dave Daeschler, Giampaolo Rodola'
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of the psutil authors nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

```
psutil version 7.0.0
<<<<<<<xilinx-separator>>>>>>>>
```

Copyright (c) 2009, Jay Loden, Dave Daeschler, Giampaolo Rodola'
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of the psutil authors nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 2009 Jay Loden Dave Daeschler Giampaolo Rodola' All rights reserved.

```
pure-eval version 0.2.3
<<<<<<<xilinx-separator>>>>>>>
```


and/or other materials provided with the distribution.

- * Neither the name of Eli Bendersky nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

pycparser -- A C parser in Python

Copyright (c) 2008-2020, Eli Bendersky
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of Eli Bendersky nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

pycparser version 2.22
<<<<<<<<<xilinx-separator>>>>>>>>>

pycparser -- A C parser in Python

Copyright (c) 2008-2020, Eli Bendersky
All rights reserved.

Redistribution and use in source and binary forms, with or without modification,
are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of Eli Bendersky nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

pycparser -- A C parser in Python

Copyright (c) 2008-2020, Eli Bendersky
All rights reserved.

Redistribution and use in source and binary forms, with or without modification,
are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of Eli Bendersky nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)

HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 2014 Carlos Jenkins
Copyright (c) 2014 Lance Helper
Copyright (c) 2004 Ero Carrera

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

© 2019 GitHub, Inc.

```
pyelftools version 0.23
<<<<<<<xilinx-separator>>>>>>>>
```

pyelftools is in the public domain (see below if you need more details).

pyelftools uses the `construct` library for structured parsing of a binary stream. `construct` is packaged in `pyelftools/construct` - see its [LICENSE](#) file for the license.

This is free and unencumbered software released into the public domain.

Anyone is free to copy, modify, publish, use, compile, sell, or distribute this software, either in source code form or as a compiled binary, for any purpose, commercial or non-commercial, and by any means.

In jurisdictions that recognize copyright laws, the author or authors of this software dedicate any and all copyright interest in the software to the public domain. We make this dedication for the benefit of the public at large and to the detriment of our heirs and successors. We intend this dedication to be an overt act of relinquishment in perpetuity of all present and future rights to this software under copyright law.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

For more information, please refer to <<http://unlicense.org/>>

Copyright (C) 2009 Tomer Filiba, 2010-2011 Corbin Simpson

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright 2009 Tomer Filiba

```
pyelftools version 0.32
<<<<<<<xilinx-separator>>>>>>>
```

pyelftools is in the public domain (see below if you need more details).

pyelftools uses the `construct` library for structured parsing of a binary stream. `construct` is packaged in `pyelftools/construct` - see its `LICENSE` file for the license.

This is free and unencumbered software released into the public domain.

Anyone is free to copy, modify, publish, use, compile, sell, or distribute this software, either in source code form or as a compiled

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This is pvar = ["/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/pygments/styles/dracula.py",
"/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/pygments/lexers/igor.py", "/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/pygments/lexers/idl.py", "/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/pygments/lexers/srcinfo.py", "/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/pygments/lexers/_cl_builtins.py", "/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/pygments/lexers/rita.py", "/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/pygments/lexers/sql.py", "/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/pygments/lexers/openscad.py", "/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/pygments/lexers/webmisc.py", "/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/Pygments-2.16.1.dist-info/LICENSE", "/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/pygments/lexers/maxima.py", "/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/pygments/lexers/installers.py", "/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/pygments/lexers/blueprint.py", "/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/pygments/lexers/objective.py", "/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/pygments/styles/tango.py", "/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/pygments/lexers/lisp.py", "/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/pygments/lexers/capnproto.py", "/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/pygments/styles/arduino.py", "/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/pygments/lexers/ptx.py", "/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/pygments/lexers/arturo.py", "/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/pygments/lexers/rdf.py", "/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/pygments/lexers/parsers.py", "/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/pygments/lexers/smv.py", "/apps/flexera/scanroot/vivado-

extras/cs_server_stuff/3rd_party/pygments/styles/borland.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/scanner.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/carbon.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/paraiso_light.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/floscript.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/int_fiction.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/ul4.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/_mql_builtins.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/pastie.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/sphinxext.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/apl.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/futhark.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/nix.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/console.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/tls.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/murphy.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/ride.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/cplint.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/nord.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/formatters/html.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/automation.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/jslt.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/forth.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/freefem.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/formatters/_init_.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/varnish.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/oberon.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/friendly_grayscale.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/graphql.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/_postgres_builtins.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/text.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/tal.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/fortran.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/urbi.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/trac.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/yara.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/julia.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/qlik.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/regexopt.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/ampl.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/thingsdb.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/_scilab_builtins.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/r.py", "/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/Pygments-
 2.16.1.dist-info/WHEEL", "/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/pygments/lexers/ooc.py",
 "/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/pygments/lexers/smalltalk.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/teal.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/scripting.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/cmdline.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/amdgpu.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/fift.py", "/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/Pygments-
 2.16.1.dist-info/AUTHORS", "/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/pygments/formatters/other.py",
 "/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/pygments/lexers/solidity.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/_julia_builtins.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/perldoc.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/igor.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/basic.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/gruvbox.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/wgsl.py", "/apps/flexera/scanroot/vivado-

extras/cs_server_stuff/3rd_party/pygments/lexers/q.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/modeline.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/promql.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/functional.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/spice.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/python.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/bare.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/formatters/groff.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/ambient.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/special.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/stata_light.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/rnc.py", "/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/Pygments-
 2.16.1.dist-info/RECORD", "/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/pygments/lexers/sas.py",
 "/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/pygments/lexers/gcodelexer.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/algebra.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/_vim_builtins.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/wowtoc.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/qvt.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/autumn.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/_ada_builtins.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/gh_dark.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/webidl.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/ezhil.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/html.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/_stata_builtins.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/resource.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/factor.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/elm.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/modula2.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/rainbow_dash.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/colorful.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/formatters/pangomarkup.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/devicetree.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/data.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/x10.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/comal.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/pascal.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/chapel.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/foxpro.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/math.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/snobol.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/formatters/terminal256.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/shell.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/rebol.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/ruby.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/style.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/typoscript.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/fantom.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/asm.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/monokai.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/formatters/terminal.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/unistring.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/_mysql_builtins.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/graphics.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/trafficscript.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/dotnet.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/sas.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/ada.py", "/apps/flexera/scanroot/vivado-

extras/cs_server_stuff/3rd_party/pygments/lexers/asc.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/token.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/_usd_builtins.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/iolang.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/abap.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/console.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/roboconf.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/gsql.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/filter.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/scdoc.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/native.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/email.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/Pygments-2.16.1.dist-info/INSTALLER", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/mosel.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/robotframework.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/plugin.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/filters/_init_.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/graph.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/Pygments-2.16.1.dist-info/METADATA", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/teraterm.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/zig.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/graphviz.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/clean.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/whiley.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/nimrod.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/bibtex.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/formatter.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/hdl.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/pawn.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/sieve.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/friendly.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/c_like.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/csound.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/actionscript.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/savi.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/_stan_builtins.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/bw.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/phix.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/css.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/algol.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/ecl.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/pony.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/manni.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/dalvik.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/wren.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/theorem.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/cddl.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/macaulay2.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/erlang.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/crystal.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/formatters/irc.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/business.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/verification.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/ncl.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/_tsql_builtins.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/mips.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/func.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/modeling.py", "/apps/flexera/scanroot/vivado-

extras/cs_server_stuff/3rd_party/pygments/lexers/_openedge_builtins.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/smithy.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexer.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/material.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/perl.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/dsls.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/solarized.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/procfile.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/pointless.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/jsonnet.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/bqn.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/gdscript.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/stata.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/jmespath.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/kuin.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/sophia.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/algol_nu.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/zenburn.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/vs.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/sgf.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/paraiso_dark.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/d.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/felix.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/yang.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/praat.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/emacs.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/j.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/bdd.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/formatters/latex.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/slash.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/configs.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/__main__.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/c_cpp.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/Pygments-2.16.1.dist-info/top_level.txt", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/jvm.py", "/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/Pygments-
 2.16.1.dist-info/entry_points.txt", "/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/pygments/formatters/img.py",
 "/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/pygments/lexers/asn1.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/rrt.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/rust.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/xcode.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/dns.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/dax.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/tnt.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/_lilypond_builtins.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/_asy_builtins.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/inferno.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/archetype.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/boa.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/textedit.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/_lua_builtins.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/mime.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/web.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/_cocoa_builtins.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/apdlexer.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/haxe.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/lilypond.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/__init__.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/monte.py", "/apps/flexera/scanroot/vivado-

extras/cs_server_stuff/3rd_party/pygments/lexers/_lasso_builtins.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/javascript.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/grammar_notation.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/matlab.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/tcl.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/supercollider.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/templates.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/php.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/templ.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/arrow.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/_qlik_builtins.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/meson.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/go.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/agile.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/onedark.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/staroffice.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/_vbscript_builtins.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/haskell.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/formatters/svg.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/verifpal.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/vim.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/elpi.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/hexdump.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/nit.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/stata_dark.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/prolog.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/webassembly.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/formatters/bbcode.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/minecraft.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/_csound_builtins.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/_php_builtins.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/textfmts.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/unicon.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/compiled.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/lightbulb.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/other.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/_css_builtins.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/default.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/parasail.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/lilypond.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/___init__.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/___init__.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/make.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/esoteric.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/markup.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/_scheme_builtins.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/testing.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/lovelace.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/xorg.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/fruity.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/diff.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/eiffel.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/dylan.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/formatters/rtf.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/tlb.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/ml.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/lexers/berry.py", "/apps/flexera/scanroot/vivado-
 extras/cs_server_stuff/3rd_party/pygments/styles/inkpot.py", "/apps/flexera/scanroot/vivado-

extras/cs_server_stuff/3rd_party/pygments/lexers/_sourcemod_builtins.py", "/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/pygments/lexers/usd.py"]
Copyright 2006-2022 the respective authors
Copyright 2006-2023 the Pygments team
Copyright 2012 Nokia Siemens Networks Oyj
(c) 2006-2023 by Georg Brandl Matthus

Copyright (c) 2006-2021 by the respective authors (see AUTHORS file).
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright 2012 Nokia Siemens Networks Oyj
(c) 2006-2021 by Georg Brandl Matthus
Copyright 2006-2021 the Pygments team
Copyright 2006-2021 the respective authors

```
pygments-pygments version 2.13.0
<<<<<<<xilinx-separator>>>>>>>
```

```
>>> bsd 2 license
Copyright (c) 2006-2021 by the respective authors (see AUTHORS file).
All rights reserved.
```

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

```
>>> apache license 2.0
```

The text of the Apache License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

Copyright 2006-2022 the respective authors
(c) 2006-2022 by Georg Brandl Matthus
Copyright 2012 Nokia Siemens Networks Oyj
Copyright 2006-2022 the Pygments team

```
pypa-wheel version 0.45.1
<<<<<<<xilinx-separator>>>>>>>
```

MIT License

Copyright (c) 2012 Daniel Holth <dholth@fastmail.fm> and contributors

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE,

```

pyparsing version 2.4.7
<<<<<<<xilinx-separator>>>>>>>

```

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright 2003-2011 Paul T. McGuire

```

pyparsing version 3.0.9
<<<<<<<xilinx-separator>>>>>>>

```

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT,

TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

pyarsing version 3.2.3

```
<<<<<<<xilinx-separator>>>>>>>
```

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright 2003-2022 Paul T. McGuire

pyrsistent version 0.18.0

<<<<<<<xilinx-separator>>>>>>>

Name: pyrsistent
Version: 0.18.0
Summary: Persistent/Functional/Immutable data structures
Home-page: <http://github.com/tobgu/pyrsistent/>
Author: Tobias Gustafsson
Author-email: tobias.l.gustafsson@gmail.com
License: MIT

python version 3.13.0

<<<<<<<xilinx-separator>>>>>>>

A. HISTORY OF THE SOFTWARE

=====

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <https://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <https://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see <https://opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

Footnotes:

(1) GPL-compatible doesn't mean that we're distributing Python under the GPL. All Python licenses, unlike the GPL, let you distribute a modified version without making your changes open source. The GPL-compatible licenses make it possible to combine Python with other software that is released under the GPL; the others don't.

(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

B. TERMS AND CONDITIONS FOR ACCESSING OR OTHERWISE USING PYTHON

=====

Python software and documentation are licensed under the
Python Software Foundation License Version 2.

Starting with Python 3.8.6, examples, recipes, and other code in
the documentation are dual licensed under the PSF License Version 2
and the Zero-Clause BSD license.

Some software incorporated into Python is under different licenses.
The licenses are listed with code falling under that license.

PYTHON SOFTWARE FOUNDATION LICENSE VERSION 2

1. This LICENSE AGREEMENT is between the Python Software Foundation ("PSF"), and the Individual or Organization ("Licensee") accessing and otherwise using this software ("Python") in source or binary form and its associated documentation.
2. Subject to the terms and conditions of this License Agreement, PSF hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python alone or in any derivative version, provided, however, that PSF's License Agreement and PSF's notice of copyright, i.e., "Copyright (c) 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023 Python Software Foundation; All Rights Reserved" are retained in Python alone or in any derivative version prepared by Licensee.
3. In the event Licensee prepares a derivative work that is based on or incorporates Python or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python.
4. PSF is making Python available to Licensee on an "AS IS" basis. PSF MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, PSF MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.
5. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.
6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.
7. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between PSF and Licensee. This License Agreement does not grant permission to use PSF

trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By copying, installing or otherwise using Python, Licensee agrees to be bound by the terms and conditions of this License Agreement.

BEOPEN.COM LICENSE AGREEMENT FOR PYTHON 2.0

BEOPEN PYTHON OPEN SOURCE LICENSE AGREEMENT VERSION 1

1. This LICENSE AGREEMENT is between BeOpen.com ("BeOpen"), having an office at 160 Saratoga Avenue, Santa Clara, CA 95051, and the Individual or Organization ("Licensee") accessing and otherwise using this software in source or binary form and its associated documentation ("the Software").
2. Subject to the terms and conditions of this BeOpen Python License Agreement, BeOpen hereby grants Licensee a non-exclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use the Software alone or in any derivative version, provided, however, that the BeOpen Python License is retained in the Software, alone or in any derivative version prepared by Licensee.
3. BeOpen is making the Software available to Licensee on an "AS IS" basis. BEOPEN MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, BEOPEN MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.
4. BEOPEN SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF THE SOFTWARE FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF USING, MODIFYING OR DISTRIBUTING THE SOFTWARE, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.
5. This License Agreement will automatically terminate upon a material breach of its terms and conditions.
6. This License Agreement shall be governed by and interpreted in all respects by the law of the State of California, excluding conflict of law provisions. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between BeOpen and Licensee. This License Agreement does not grant permission to use BeOpen trademarks or trade names in a trademark sense to endorse or promote products or services of Licensee, or any third party. As an exception, the "BeOpen Python" logos available at <http://www.pythonlabs.com/logos.html> may be used according to the permissions granted on that web page.
7. By copying, installing or otherwise using the software, Licensee agrees to be bound by the terms and conditions of this License Agreement.

CNRI LICENSE AGREEMENT FOR PYTHON 1.6.1

1. This LICENSE AGREEMENT is between the Corporation for National Research Initiatives, having an office at 1895 Preston White Drive, Reston, VA 20191 ("CNRI"), and the Individual or Organization ("Licensee") accessing and otherwise using Python 1.6.1 software in source or binary form and its associated documentation.
2. Subject to the terms and conditions of this License Agreement, CNRI hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python 1.6.1 alone or in any derivative version, provided, however, that CNRI's License Agreement and CNRI's notice of copyright, i.e., "Copyright (c) 1995-2001 Corporation for National Research Initiatives; All Rights Reserved" are retained in Python 1.6.1 alone or in any derivative version prepared by Licensee. Alternately, in lieu of CNRI's License Agreement, Licensee may substitute the following text (omitting the quotes): "Python 1.6.1 is made available subject to the terms and conditions in CNRI's License Agreement. This Agreement together with Python 1.6.1 may be located on the internet using the following unique, persistent identifier (known as a handle): 1895.22/1013. This Agreement may also be obtained from a proxy server on the internet using the following URL: <http://hdl.handle.net/1895.22/1013>".
3. In the event Licensee prepares a derivative work that is based on or incorporates Python 1.6.1 or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python 1.6.1.
4. CNRI is making Python 1.6.1 available to Licensee on an "AS IS" basis. CNRI MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, CNRI MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON 1.6.1 WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.
5. CNRI SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON 1.6.1 FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON 1.6.1, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.
6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.
7. This License Agreement shall be governed by the federal intellectual property law of the United States, including without limitation the federal copyright law, and, to the extent such U.S. federal law does not apply, by the law of the Commonwealth of Virginia, excluding Virginia's conflict of law provisions. Notwithstanding the foregoing, with regard to derivative works based on Python 1.6.1 that incorporate non-separable material that was previously distributed under the GNU General Public License (GPL), the law of the Commonwealth of Virginia shall govern this License Agreement only as to issues arising under or with respect to Paragraphs 4, 5, and 7 of this License Agreement. Nothing in this

License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between CNRI and Licensee. This License Agreement does not grant permission to use CNRI trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By clicking on the "ACCEPT" button where indicated, or by copying, installing or otherwise using Python 1.6.1, Licensee agrees to be bound by the terms and conditions of this License Agreement.

ACCEPT

CWI LICENSE AGREEMENT FOR PYTHON 0.9.0 THROUGH 1.2

Copyright (c) 1991 - 1995, Stichting Mathematisch Centrum Amsterdam, The Netherlands. All rights reserved.

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Stichting Mathematisch Centrum or CWI not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

STICHTING MATHEMATISCH CENTRUM DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL STICHTING MATHEMATISCH CENTRUM BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

ZERO-CLAUSE BSD LICENSE FOR CODE IN THE PYTHON DOCUMENTATION

Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

>>> Microsoft Reciprocal License (MS-RL)

This license applies to the bootstrapper application that is embedded within the installer. It has no impact on the licensing for the rest of the installer or Python itself, as no code covered by this license exists in any other part of the product.

Microsoft Reciprocal License (MS-RL)

This license governs use of the accompanying software. If you use the software, you accept this license. If you do not accept the license, do not use the software.

1. Definitions

The terms "reproduce," "reproduction," "derivative works," and "distribution" have the same meaning here as under U.S. copyright law.

A "contribution" is the original software, or any additions or changes to the software.

A "contributor" is any person that distributes its contribution under this license.

"Licensed patents" are a contributor's patent claims that read directly on its contribution.

2. Grant of Rights

(A) Copyright Grant- Subject to the terms of this license, including the license conditions and limitations in section 3, each contributor grants you a non-exclusive, worldwide, royalty-free copyright license to reproduce its contribution, prepare derivative works of its contribution, and distribute its contribution or any derivative works that you create.

(B) Patent Grant- Subject to the terms of this license, including the license conditions and limitations in section 3, each contributor grants you a non-exclusive, worldwide, royalty-free license under its licensed patents to make, have made, use, sell, offer for sale, import, and/or otherwise dispose of its contribution in the software or derivative works of the contribution in the software.

3. Conditions and Limitations

(A) Reciprocal Grants- For any file you distribute that contains code from the software (in source code or binary format), you must provide recipients the source code to that file along with a copy of this license, which license will govern that file. You may license other files that are entirely your own work and do not contain code from the software under any terms you choose.

(B) No Trademark License- This license does not grant you rights to use any contributors' name, logo, or trademarks.

(C) If you bring a patent claim against any contributor over patents that you claim are infringed by the software, your patent license from such contributor to the software ends automatically.

(D) If you distribute any portion of the software, you must retain all copyright, patent, trademark, and attribution notices that are present in the software.

(E) If you distribute any portion of the software in source code form, you may do so only under this license by including a complete copy of this license with your distribution. If you distribute any portion of the software in compiled or object code form, you may only do so under a license that complies with this license.

(F) The software is licensed "as-is." You bear the risk of using it. The contributors give no express warranties, guarantees or conditions. You may have additional consumer rights under your local laws which this license cannot change. To the extent permitted under your local laws, the contributors exclude the implied warranties of merchantability, fitness for a particular purpose and non-infringement.

Copyright 2003-2005 Peter Astrand <astrand@lysator.liu.se>

Copyright 2012-2016 Christian Heimes (christian@python.org)

Copyright (c) 1991-1995 Stichting Mathematisch Centrum Amsterdam. All Rights Reserved.

Copyright (C) 1986 Gary S. Brown. You may use this program or code or tables extracted from it as desired without restriction.

Copyright (c) 1998 The Open Group

Copyright 1991-1995 Stichting Mathematisch Centrum Amsterdam The Netherlands

Copyright 2008 by Armin Ronacher. license Python License.

Copyright (c) 2008 Daniel Amelang <dan@amelang.net>

Copyright 2000-2006 Fred L. Drake Jr. <fdrake@users.sourceforge.net>

(c) 2001 John Hornkvist AIX ABI support

Copyright 2016 Pascal Cuoq <cuoq@trust-in-soft.com>

Copyright (C) 2004-2006 Python Software Foundation Authors Baxter Wouters and Warsaw Contact email-sig@python.org

Copyright 2019 David Loffredo <loffredo@steptools.com>

Copyright (c) 2008 Guido U. Draheim <guidod@gmx.de>

Copyright (c) 2016 Don Lewis <truckman@apache.org>

Copyright (c) 2006 Free Software Foundation Inc. derived from unix64.S

Copyright 2009 Gabriel A. Genellina

Copyright 1994 Lance Ellinghouse Cathedral City California Republic United States of America

Copyright (C) 1994 Steen Lumholt.

Copyright (c) 2002 Ranjit Mathew

Copyright 2005 Martin

Copyright 2022 Martin Ettl <ettl.martin78@googlemail.com>

Copyright (c) 2002 Bo Thorsen <bo@suse.de>

Copyright 2012-2015 Dan Nicholson <dbn.lists@gmail.com> dnl dnl This program is free software you can redistribute it and or modify
Copyright (c) 2016 Eric Rahm <erahm@mozilla.com>
Copyright 1990-1995 Stichting Mathematisch Centrum
Copyright 1997-2000 Thai Open Source Software Center Ltd
Copyright 2001-2007 Python Software Foundation Author Ben Gertzfield Barry Warsaw Contact email-sig@python.org
Copyright 2006-2009 Google Inc
Copyright 2000 Mojam Media Inc
copyright restrictions on the use of Python
Copyright 2001 earthian@tama.or.jp
pot_header = _("SOME DESCRIPTIVE TITLE. Copyright (C) YEAR ORGANIZATION FIRST AUTHOR <EMAIL@ADDRESS> YEAR.
Copyright (c) 2017 Vclav Slavk <vaclav@slavik.io>
Copyright 2000 Doug White
Copyright (c) 2000-2010 eGenix.com Software GmbH mailto:info@egenix.com
Copyright 1997, 1999-2009 Fredrik Lundh
Copyright (c) 1999 Toby Dickenson
Copyright 2001-2006 Twisted Matrix Laboratories
Copyright (c) 2022 Jann Horn <jannh@google.com> Licensed under the MIT license
Copyright 2018 Benjamin Peterson <benjamin@python.org>
(c) 2013-2017 Christian Heimes <christian@python.org>
Copyright (C) 2002-2007 Python Software Foundation Contact email-sig@python.org
Copyright (c) 2017 Rolf Eike Beer <eike@sf-mail.de>
Copyright 2003-2004 Federico Di Gregorio <fog@debian.org>
Copyright (C) 2001-2006 Python Software Foundation Author Keith Dart Contact email-sig@python.org
Copyright 2019'
copyright, and credits are of type
Copyright (c) 2002 Peter O'Gorman <ogorman@users.sourceforge.net>
Copyright CNRI,
Copyright 2001 Autonomous Zones Industries Inc
Copyright 1997-2002 Makoto Matsumoto and Takuji Nishimura
Copyright 1995-2001 Corp for National Research Initiatives
Copyright (c) 2022 Thijs Schreijer <thijs@thijsschreijer.nl> Licensed under the MIT license
Copyright (c) 2020 Boris Kolpackov <boris@codesynthesis.com>
Copyright 2007-2012 Michael Foord & the mock team
Copyright 1995-1998 Eric Young (eay@cryptsoft.com)
Copyright (c) 2011 Maarten Bosmans <mkbosmans@gmail.com>
Copyright was assigned to the Python Software Foundation
copyright notice was updated to include 2001
Copyright 2004-2005 Elemental Security Inc
Copyright 2005-2006 Martin von Lwis
Copyright (C) 1993 by Sun Microsystems Inc. All rights reserved.
Copyright 2002-2016 Karl Waclawek <karl@wacławek.net>
Copyright (C) 1994 X Consortium
Copyright 2001-2003 Greg Stein <gstein@users.sourceforge.net>
(c) 2000 Peter Bosch. All Rights Reserved.
Copyright (c) 1998 Geoffrey Keating
Copyright (C) 1997 2002 2003 2007 2008 Martin von Loewis
Copyright 1991, 2000-2001 Lucent Technologies
Copyright 2001 I'O
Copyright 2002-2004 Free Software Foundation Inc. based on ppc
Copyright (c) 2000 John Hornkvist
Copyright (c) 2016 Gaurav <g.gupta@samsung.com>
Copyright 2000 Timothy O'Malley <timo@alum.mit.edu>
Copyright (C) 2001-2007 Python Software Foundation Author Barry Warsaw Thomas Wouters Anthony Baxter Contact email-sig@python.org
Copyright (C) 2000 Luke Kenneth Casson Leighton <lkcl@samba.org>
Copyright 2006-2007 Georg Brandl
This program is linked with and uses Microsoft Distributable Code copyrighted by Microsoft Corporation. The Microsoft Distributable Code is embedded in each .exe .dll and .pyd file as a result of running the code through a linker.

Copyright (c) 2018 Marco Maggi <marco.maggi-ipsu@poste.it>
Copyright (c) 2019-2020 Ben Wagner <bungeman@chromium.org>
Copyright (c) 2017 Alexander Bluhm <alexander.bluhm@gmx.net>
Copyright 2005 Ian Bicking and contributors written for Paste
Copyright 2000 Guido van Rossum
copyright string for the current Python version, for example
copyright as Python attribute not global 2001-04-28
Copyright 1996 Sam Rushing
Copyright 2005, 2018 Yury Gribov <tetra2005@gmail.com>
Copyright (c) 1996-2003 Red Hat Inc. Target configuration macros for PowerPC.
Copyright of cfuhash ----- Creation date 2005-06-24 21 22 40
Copyright 2018 Anton Maklakov <antmak.pub@gmail.com>
Copyright (C) 1995-2011 Jean-loup Gailly and Mark Adler
Copyright 1997-2009 Secret Labs AB
Copyright (c) 1991 1992 by Jeffrey S. Lee jlee@smylex.uucp Warranty and
Copyright 2013 W3C
Copyright (c) 2002 Jorge Acereda <jacereda@users.sourceforge.net> &
Copyright 1981, 2000-2001, 2003-2005, 2008-2009 IBM Corp
Copyright (c) 2017 Viktor Szakats <commit@vsz.me>
Copyright (c) 1996-2008 Red Hat Inc and others.
Copyright button event.
Copyright (c) 1996-2003 Red Hat Inc. Target configuration macros for
Copyright (c) 2004 by Fredrik Lundh <fredrik@pythonware.com>
Copyright (c) 2002 Roger Sayle
Copyright 2007-2014 Georg Brandl. license Python license
Copyright 1996-2003 Red Hat Inc
Copyright 2005-2006 ActiveState Software Inc
Copyright 2004 Outercurve Foundation
Copyright 2012-2013 Larry Hastings
Copyright (c) 2016 Ed Schouten <ed@nuxi.nl>
Copyright 2005 Don Owens
Copyright (c) 2017 Benbuck Nason <bnason@netflix.com>
Copyright (c) 1991 1992 by Jeffrey S. Lee
Copyright 2016 Cristian Rodriguez <crrodriguez@opensuse.org>
Copyright 1998-2000 Thai Open Source Software Center Ltd and Clark Cooper
Copyright (c) 2008 by Christian Heimes <christian@cheimes.de> Licensed to PSF under
Copyright 2007-2012 Michael Foord & the mock team E-mail fuzzyman AT voidspace DOT org DOT uk
Copyright (c) 2017 Jos Gutierrez de la Concha <jose@zeroc.com>
Copyright 2001-2023 Python Software Foundation
Copyright 2001 Python Software Foundation Barry Warsaw <barry@python.org>
Copyright (C) 2002-2006 Python Software Foundation Contact email-sig@python.org email package unit tests for
Copyright (c) 2017 Chanh Park <chanho61.park@samsung.com>
Copyright 1999-2003 Steve Purcell
Copyright (c) 2001-2022 Expat maintainers
Copyright (c) 2002 Bo Thorsen
Copyright 2004 Scott James Remnant <scott@netsplit.com>. dnl
Copyright and related and neighboring rights to
Copyright (c) 2016 Gustavo Grieco <gustavo.grieco@imag.fr>
Copyright 2005 Marc-Andre Lemburg (mal@lemburg.com)
Copyright 2016-2022 Sebastian Pipping <sebastian@pipping.org>
Copyright 2002 Jorge Acereda <jacereda@users.sourceforge.net> & Peter O'Gorman <ogorman@users.sourceforge.net>
Copyright 2005-2009 Steven Solie <steven@solie.ca>
Copyright 2016 Thomas Beutlich <tc@tbeu.de>
Copyright 2004-2010 Gerhard Hring <gh@ghaering.de>
Copyright 1995-1997 Automatrix Inc
Copyright 2008 Armin Ronacher
Copyright 2000 BeOpen.com
Copyright (c) 2009 2010 Dustin J. Mitchell <dustin@zmanda.com>

Copyright 1992-2021 Free Software Foundation Inc
Copyright (C) 2001-2007 Python Software Foundation Author Anthony Baxter Contact email-sig@python.org
Copyright (c) 2022 Jeffrey Walton <noloader@gmail.com>
Copyright (c) 2009 2010 Zmanda Inc.
Copyright (c) 2017 Hans Wennborg <hans@chromium.org>
Copyright (c) 2022 Samanta Navarro <ferivoz@riseup.net>
Copyright 2006-2008 R Oudkerk
Copyright (c) 2019 Vadim Zeitlin <vadim@zeitlins.org>
Copyright 1999-2006 Gregory P. Ward
Copyright others,
Copyright (C) 2000 Bastian Kleineidam
Copyright (c) 2018 Mariusz Zaborski <oshogbo@vexillum.org>
copyright applies to Dialog, askinteger, askfloat and asktrng
Copyright 2009 Brian Quinlan
Copyright 2021 Dong-hee Na <donghee.na@python.org>
copyright text output at startup
Copyright 1995-1999 WIDE Project
Copyright (C) 2006 - 2010 Gregor Lingl email glingl@aon.at
Copyright (C) 2001-2010 Python Software Foundation Contact email-sig@python.org email package unit tests
Copyright (C) 2001 2002 Python Software Foundation and were written by Barry Warsaw.
Copyright 2013 Marek Majkowski <marek@popcount.org>
Copyright 1992-1994 David Gottner
Copyright Disney Enterprises, Inc
Copyright (c) 1999-2000 Marc-Andre Lemburg mailto:mal@lemburg.com
Copyright (C) 2001 2002 Python Software Foundation csv package unit tests
Copyright 1991-1999, 2002 Unicode Inc
Copyright 1996 1997 by Oliver Andrich Koblenz Germany.
Copyright (c) 1998-2008 The OpenSSL Project. All rights reserved.
Copyright 2000 Clark Cooper <coopercc@users.sourceforge.net>
Copyright 1991-2023 xA9
Copyright text can be found in the file
Copyright 2017-2022 Rhodri James <rhodri@wildebeest.org.uk>
Copyright 2005 Marc-Andre Lemburg
Copyright 2005-2010 Gregory P. Smith (greg@krypto.org)
Copyright 1991-1995 Stichting Mathematisch Centrum Amsterdam'
Copyright 1999 Bioreason Inc
Copyright (C) 2002 Lars Gustaebel <lars@gustaebel.de> All rights reserved.
Copyright (C) 2002 2003 Python Software Foundation. Written by Greg Ward <gward@python.net>
Copyright (C) 2003-2013 Python Software Foundation import copy import operator

python version 3.8.3

<<<<<<<<<xilinx-separator>>>>>>>>>

History and License

History of the software

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <https://www.cwi.nl/>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <https://www.cnri.reston.va.us/>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation; see <https://www.zope.org/>). In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <https://opensource.org/> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release
Derived from
Year
Owner
GPL compatible?
0.9.0 thru 1.2
n/a
1991-1995
CWI
yes
1.3 thru 1.5.2
1.2
1995-1999
CNRI
yes
1.6
1.5.2
2000
CNRI
no
2.0
1.6
2000
BeOpen.com
no
1.6.1
1.6

[Public]

2001

CNRI

no

2.1

2.0+1.6.1

2001

PSF

no

2.0.1

2.0+1.6.1

2001

PSF

yes

2.1.1

2.1+2.0.1

2001

PSF

yes

2.1.2

2.1.1

2002

PSF

yes

2.1.3

2.1.2

2002

PSF

yes

2.2 and above

2.1.1

2001-now

PSF

yes

Note GPL-compatible doesn't mean that we're distributing Python under the GPL. All Python licenses, unlike the GPL, let you distribute a modified version without making your changes open source. The GPL-compatible licenses make it possible to combine Python with other software that is released under the GPL; the others don't.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

Terms and conditions for accessing or otherwise using Python

PSF LICENSE AGREEMENT FOR PYTHON 3.8.5

1. This LICENSE AGREEMENT is between the Python Software Foundation ("PSF"), and the Individual or Organization ("Licensee") accessing and otherwise using Python 3.8.5 software in source or binary form and its associated documentation.
2. Subject to the terms and conditions of this License Agreement, PSF hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python 3.8.5 alone or in any derivative version, provided, however, that PSF's License Agreement and PSF's notice of copyright, i.e., "Copyright © 2001-2020 Python Software Foundation; All Rights Reserved" are retained in Python 3.8.5 alone or in any derivative version prepared by Licensee.
3. In the event Licensee prepares a derivative work that is based on or incorporates Python 3.8.5 or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python 3.8.5.
4. PSF is making Python 3.8.5 available to Licensee on an "AS IS" basis. PSF MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, PSF MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON 3.8.5 WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.
5. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON 3.8.5 FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON 3.8.5, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.
6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.
7. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between PSF and Licensee. This License Agreement does not grant permission to use PSF trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.
8. By copying, installing or otherwise using Python 3.8.5, Licensee agrees to be bound by the terms and conditions of this License Agreement.

BEOPEN.COM LICENSE AGREEMENT FOR PYTHON 2.0

BEOPEN PYTHON OPEN SOURCE LICENSE AGREEMENT VERSION 1

1. This LICENSE AGREEMENT is between BeOpen.com ("BeOpen"), having an office at 160 Saratoga Avenue, Santa Clara, CA 95051, and the Individual or Organization ("Licensee") accessing and otherwise using this software in source or binary form and its associated documentation ("the Software").
2. Subject to the terms and conditions of this BeOpen Python License Agreement, BeOpen hereby grants Licensee a non-exclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use the Software alone or in any derivative version, provided, however, that the BeOpen Python License is retained in the Software, alone or in any derivative version prepared by Licensee.
3. BeOpen is making the Software available to Licensee on an "AS IS" basis. BEOPEN MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, BEOPEN MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.
4. BEOPEN SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF THE SOFTWARE FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF USING, MODIFYING OR DISTRIBUTING THE SOFTWARE, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.
5. This License Agreement will automatically terminate upon a material breach of its terms and conditions.
6. This License Agreement shall be governed by and interpreted in all respects by the law of the State of California, excluding conflict of law provisions. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between BeOpen and Licensee. This License Agreement does not grant permission to use BeOpen trademarks or trade names in a trademark sense to endorse or promote products or services of Licensee, or any third party. As an exception, the "BeOpen Python" logos available at <http://www.pythonlabs.com/logos.html> may be used according to the permissions granted on that web page.
7. By copying, installing or otherwise using the software, Licensee agrees to be bound by the terms and conditions of this License Agreement.

CNRI LICENSE AGREEMENT FOR PYTHON 1.6.1

1. This LICENSE AGREEMENT is between the Corporation for National Research Initiatives, having an office at 1895 Preston White Drive, Reston, VA 20191 ("CNRI"), and the Individual or Organization ("Licensee") accessing and otherwise using Python 1.6.1 software in source or binary form and its associated documentation.
2. Subject to the terms and conditions of this License Agreement, CNRI hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python 1.6.1 alone or in any derivative version, provided, however, that CNRI's License Agreement and CNRI's notice of copyright, i.e., "Copyright © 1995-2001 Corporation for National Research Initiatives; All Rights Reserved" are retained in Python 1.6.1 alone or in any derivative version prepared by Licensee. Alternately, in lieu of CNRI's License Agreement, Licensee may substitute the following text (omitting the quotes): "Python 1.6.1 is made available subject to the terms and conditions in CNRI's License Agreement. This Agreement together with Python 1.6.1 may be located on the Internet using the following unique, persistent identifier (known as a handle):

1895.22/1013. This Agreement may also be obtained from a proxy server on the Internet using the following URL: <http://hdl.handle.net/1895.22/1013>."

3. In the event Licensee prepares a derivative work that is based on or incorporates Python 1.6.1 or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python 1.6.1.
4. CNRI is making Python 1.6.1 available to Licensee on an "AS IS" basis. CNRI MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, CNRI MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON 1.6.1 WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.
5. CNRI SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON 1.6.1 FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON 1.6.1, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.
6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.
7. This License Agreement shall be governed by the federal intellectual property law of the United States, including without limitation the federal copyright law, and, to the extent such U.S. federal law does not apply, by the law of the Commonwealth of Virginia, excluding Virginia's conflict of law provisions. Notwithstanding the foregoing, with regard to derivative works based on Python 1.6.1 that incorporate non-separable material that was previously distributed under the GNU General Public License (GPL), the law of the Commonwealth of Virginia shall govern this License Agreement only as to issues arising under or with respect to Paragraphs 4, 5, and 7 of this License Agreement. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between CNRI and Licensee. This License Agreement does not grant permission to use CNRI trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.
8. By clicking on the "ACCEPT" button where indicated, or by copying, installing or otherwise using Python 1.6.1, Licensee agrees to be bound by the terms and conditions of this License Agreement.

CWI LICENSE AGREEMENT FOR PYTHON 0.9.0 THROUGH 1.2

Copyright © 1991 - 1995, Stichting Mathematisch Centrum Amsterdam, The Netherlands. All rights reserved.

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Stichting Mathematisch Centrum or CWI not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

STICHTING MATHEMATISCH CENTRUM DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL STICHTING MATHEMATISCH CENTRUM BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS

SOFTWARE.

Licenses and Acknowledgements for Incorporated Software

This section is an incomplete, but growing list of licenses and acknowledgements for third-party software incorporated in the Python distribution.

Mersenne Twister

The `_random` module includes code based on a download from <http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html>. The following are the verbatim comments from the original code:

A C-program for MT19937, with initialization improved 2002/1/26.

Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using `init_genrand(seed)`
or `init_by_array(init_key, key_length)`.

Copyright (C) 1997 - 2002, Makoto Matsumoto and Takuji Nishimura,
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
3. The names of its contributors may not be used to endorse or promote
products derived from this software without specific prior written
permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR
A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,
EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO,
PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR
PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF
LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING
NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS
SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Any feedback is very welcome.

<http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html>

email: m-mat @ math.sci.hiroshima-u.ac.jp (remove space)

Sockets

The socket module uses the functions, `getaddrinfo()`, and `getnameinfo()`, which are coded in separate source files from the WIDE Project, <http://www.wide.ad.jp/>.

Copyright (C) 1995, 1996, 1997, and 1998 WIDE Project.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions

are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the project nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE PROJECT AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE PROJECT OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Asynchronous socket services

The asynchat and asyncore modules contain the following notice:

Copyright 1996 by Sam Rushing

All Rights Reserved

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Sam Rushing not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

SAM RUSHING DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL SAM RUSHING BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Cookie management

The http.cookies module contains the following notice:

Copyright 2000 by Timothy O'Malley <timo@alum.mit.edu>

All Rights Reserved

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Timothy O'Malley not be used in advertising or publicity pertaining to distribution of the software without specific, written

prior permission.

Timothy O'Malley DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL Timothy O'Malley BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Execution tracing

The trace module contains the following notice:

portions copyright 2001, Autonomous Zones Industries, Inc., all rights...

err... reserved and offered to the public under the terms of the Python 2.2 license.

Author: Zooko O'Whielacronx

<http://zooko.com/>

<mailto:zooko@zooko.com>

Copyright 2000, Mojam Media, Inc., all rights reserved.

Author: Skip Montanaro

Copyright 1999, Bioreason, Inc., all rights reserved.

Author: Andrew Dalke

Copyright 1995-1997, Automatrix, Inc., all rights reserved.

Author: Skip Montanaro

Copyright 1991-1995, Stichting Mathematisch Centrum, all rights reserved.

Permission to use, copy, modify, and distribute this Python software and its associated documentation for any purpose without fee is hereby granted, provided that the above copyright notice appears in all copies, and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of neither Automatrix, Bioreason or Mojam Media be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

UUencode and UUdecode functions

The uu module contains the following notice:

Copyright 1994 by Lance Ellinghouse

Cathedral City, California Republic, United States of America.

All Rights Reserved

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Lance Ellinghouse not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

LANCE ELLINGHOUSE DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL LANCE ELLINGHOUSE CENTRUM BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT

OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Modified by Jack Jansen, CWI, July 1995:

- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with Python standard

XML Remote Procedure Calls

The xmlrpc.client module contains the following notice:

The XML-RPC client interface is

Copyright (c) 1999-2002 by Secret Labs AB

Copyright (c) 1999-2002 by Fredrik Lundh

By obtaining, using, and/or copying this software and/or its associated documentation, you agree that you have read, understood, and will comply with the following terms and conditions:

Permission to use, copy, modify, and distribute this software and its associated documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appears in all copies, and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Secret Labs AB or the author not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

SECRET LABS AB AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL SECRET LABS AB OR THE AUTHOR BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

test_epoll

The test_epoll module contains the following notice:

Copyright (c) 2001-2006 Twisted Matrix Laboratories.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION

WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Select kqueue

The select module contains the following notice for the kqueue interface:

Copyright (c) 2000 Doug White, 2006 James Knight, 2007 Christian Heimes

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

SipHash24

The file Python/pyhash.c contains Marek Majkowski's implementation of Dan Bernstein's SipHash24 algorithm. It contains the following note:

<MIT License>

Copyright (c) 2013 Marek Majkowski <marek@popcount.org>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

</MIT License>

Original location:

<https://github.com/majek/csiphash/>

Solution inspired by code from:

Samuel Neves (supercop/crypto_auth/siphhash24/little)

djb (supercop/crypto_auth/siphhash24/little2)

Jean-Philippe Aumasson (<https://131002.net/siphhash/siphhash24.c>)

strtod and dtoa

The file Python/dtoa.c, which supplies C functions dtoa and strtod for conversion of C doubles to and from strings, is derived from the file of the same name by David M. Gay, currently available from <http://www.netlib.org/fp/>. The original file, as retrieved on March 16, 2009, contains the following copyright and licensing notice:

/*****

*
* The author of this software is David M. Gay.
*
* Copyright (c) 1991, 2000, 2001 by Lucent Technologies.
*
* Permission to use, copy, modify, and distribute this software for any
* purpose without fee is hereby granted, provided that this entire notice
* is included in all copies of any software which is or includes a copy
* or modification of this software and in all copies of the supporting
* documentation for such software.
*
* THIS SOFTWARE IS BEING PROVIDED "AS IS", WITHOUT ANY EXPRESS OR IMPLIED
* WARRANTY. IN PARTICULAR, NEITHER THE AUTHOR NOR LUCENT MAKES ANY
* REPRESENTATION OR WARRANTY OF ANY KIND CONCERNING THE MERCHANTABILITY
* OF THIS SOFTWARE OR ITS FITNESS FOR ANY PARTICULAR PURPOSE.
*

*****/

OpenSSL
The modules hashlib, posix, ssl, crypt use the OpenSSL library for added performance if made available by the operating system. Additionally, the Windows and Mac OS X installers for Python may include a copy of the OpenSSL libraries, so we include a copy of the OpenSSL license here:

LICENSE ISSUES =====

The OpenSSL toolkit stays under a dual license, i.e. both the conditions of the OpenSSL License and the original SSLeay license apply to the toolkit. See below for the actual license texts. Actually both licenses are BSD-style Open Source licenses. In case of any license issues related to OpenSSL please contact openssl-core@openssl.org.

OpenSSL License -----

```
/* =====  
* Copyright (c) 1998-2008 The OpenSSL Project. All rights reserved.  
*  
* Redistribution and use in source and binary forms, with or without  
* modification, are permitted provided that the following conditions  
* are met:  
*  
* 1. Redistributions of source code must retain the above copyright  
* notice, this list of conditions and the following disclaimer.  
*  
* 2. Redistributions in binary form must reproduce the above copyright  
* notice, this list of conditions and the following disclaimer in  
* the documentation and/or other materials provided with the  
* distribution.  
*  
* 3. All advertising materials mentioning features or use of this  
* software must display the following acknowledgment:  
* "This product includes software developed by the OpenSSL Project  
* for use in the OpenSSL Toolkit. (http://www.openssl.org/)"  
*  
* 4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to  
* endorse or promote products derived from this software without  
* prior written permission. For written permission, please contact  
* openssl-core@openssl.org.
```

```
*
* 5. Products derived from this software may not be called "OpenSSL"
* nor may "OpenSSL" appear in their names without prior written
* permission of the OpenSSL Project.
*
* 6. Redistributions of any form whatsoever must retain the following
* acknowledgment:
* "This product includes software developed by the OpenSSL Project
* for use in the OpenSSL Toolkit (http://www.openssl.org/)"
*
* THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT ``AS IS'' AND ANY
* EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
* PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OpenSSL PROJECT OR
* ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
* NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;
* LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
* STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
* OF THE POSSIBILITY OF SUCH DAMAGE.
* =====
*
* This product includes cryptographic software written by Eric Young
* (eay@cryptsoft.com). This product includes software written by Tim
* Hudson (tjh@cryptsoft.com).
*
*/
```

Original SSLeay License

```
-----
/* Copyright (C) 1995-1998 Eric Young (eay@cryptsoft.com)
* All rights reserved.
*
* This package is an SSL implementation written
* by Eric Young (eay@cryptsoft.com).
* The implementation was written so as to conform with Netscapes SSL.
*
* This library is free for commercial and non-commercial use as long as
* the following conditions are aheared to. The following conditions
* apply to all code found in this distribution, be it the RC4, RSA,
* lhash, DES, etc., code; not just the SSL code. The SSL documentation
* included with this distribution is covered by the same copyright terms
* except that the holder is Tim Hudson (tjh@cryptsoft.com).
*
* Copyright remains Eric Young's, and as such any Copyright notices in
* the code are not to be removed.
* If this package is used in a product, Eric Young should be given attribution
* as the author of the parts of the library used.
* This can be in the form of a textual message at program startup or
* in documentation (online or textual) provided with the package.
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the copyright
```

- * notice, this list of conditions and the following disclaimer.
- * 2. Redistributions in binary form must reproduce the above copyright
- * notice, this list of conditions and the following disclaimer in the
- * documentation and/or other materials provided with the distribution.
- * 3. All advertising materials mentioning features or use of this software
- * must display the following acknowledgement:
- * "This product includes cryptographic software written by
- * Eric Young (eay@cryptsoft.com)"
- * The word 'cryptographic' can be left out if the routines from the library
- * being used are not cryptographic related :-).
- * 4. If you include any Windows specific code (or a derivative thereof) from
- * the apps directory (application code) you must include an acknowledgement:
- * "This product includes software written by Tim Hudson (tjh@cryptsoft.com)"
- *
- * THIS SOFTWARE IS PROVIDED BY ERIC YOUNG ``AS IS'' AND
- * ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
- * IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
- * ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE
- * FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
- * DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
- * OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
- * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
- * LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
- * OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
- * SUCH DAMAGE.
- *
- * The licence and distribution terms for any publically available version or
- * derivative of this code cannot be changed. i.e. this code cannot simply be
- * copied and put under another distribution licence
- * [including the GNU Public Licence.]
- */

expat

The pyexpat extension is built using an included copy of the expat sources unless the build is configured --with-system-expat:

Copyright (c) 1998, 1999, 2000 Thai Open Source Software Center Ltd
and Clark Cooper

Permission is hereby granted, free of charge, to any person obtaining
a copy of this software and associated documentation files (the
"Software"), to deal in the Software without restriction, including
without limitation the rights to use, copy, modify, merge, publish,
distribute, sublicense, and/or sell copies of the Software, and to
permit persons to whom the Software is furnished to do so, subject to
the following conditions:

The above copyright notice and this permission notice shall be included
in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.
IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY
CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT,
TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE
SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

libffi

The _ctypes extension is built using an included copy of the libffi sources unless the build is configured --with-system-libffi:

Copyright (c) 1996-2008 Red Hat, Inc and others.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the ``Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED ``AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

zlib

The zlib extension is built using an included copy of the zlib sources if the zlib version found on the system is too old to be used for the build:

Copyright (C) 1995-2011 Jean-loup Gailly and Mark Adler

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

Jean-loup Gailly Mark Adler
jloup@gzip.org madler@alumni.caltech.edu
cfuhash

The implementation of the hash table used by the tracemalloc is based on the cfuhash project:

Copyright (c) 2005 Don Owens
All rights reserved.

This code is released under the BSD license:

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of the author nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

libmpdec

The _decimal module is built using an included copy of the libmpdec library unless the build is configured --with-system-libmpdec:

Copyright (c) 2008-2016 Stefan Krah. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

W3C C14N test suite

The C14N 2.0 test suite in the test package (Lib/test/xmltestdata/c14n-20/) was retrieved from the W3C website at <https://www.w3.org/TR/xml-c14n2-testcases/> and is distributed under the 3-clause BSD license:

Copyright (c) 2013 W3C(R) (MIT, ERCIM, Keio, Beihang), All Rights Reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of works must retain the original copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the original copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of the W3C nor the names of its contributors may be used to endorse or promote products derived from this work without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Python and this documentation is:

Copyright © 2001-2020 Python Software Foundation. All rights reserved.

Copyright © 2000 BeOpen.com. All rights reserved.

Copyright © 1995-2000 Corporation for National Research Initiatives. All rights reserved.

Copyright © 1991-1995 Stichting Mathematisch Centrum. All rights reserved.

```
>>>>> wsgiref
# Copyright (C) 2002 Lars Gustaebele <lars@gustaebele.de>
# All rights reserved.
#
# Permission is hereby granted, free of charge, to any person
# obtaining a copy of this software and associated documentation
# files (the "Software"), to deal in the Software without
# restriction, including without limitation the rights to use,
# copy, modify, merge, publish, distribute, sublicense, and/or sell
# copies of the Software, and to permit persons to whom the
# Software is furnished to do so, subject to the following
# conditions:
#
# The above copyright notice and this permission notice shall be
# included in all copies or substantial portions of the Software.
#
# THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
# EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES
# OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
# NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT
# HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY,
# WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING
# FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR
# OTHER DEALINGS IN THE SOFTWARE.
#
```

```
>>> apache license 2.0
# Copyright 2012 Facebook
```

```
#  
# Licensed under the Apache License, Version 2.0 (the "License"); you may  
# not use this file except in compliance with the License. You may obtain  
# a copy of the License at  
#  
# http://www.apache.org/licenses/LICENSE-2.0  
#  
# Unless required by applicable law or agreed to in writing, software  
# distributed under the License is distributed on an "AS IS" BASIS, WITHOUT  
# WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the  
# License for the specific language governing permissions and limitations  
# under the License.
```

```
Copyright 2004 ActiveState  
Copyright 2004-2007 Kevin B. Kenny  
Copyright 1999-2000 Marc-Andre Lemburg mailto:mal@lemburg.com  
Copyright 2003-2005 Peter Astrand <astrand@lysator.liu.se>  
Copyright 1995-2017 Mark Adler  
Copyright 2003-2013 Python Software Foundation import copy import operator  
Copyright 1991-1994 The Regents of the University of California  
Copyright 2003 The Regents of the University of California through  
Copyright 2004-2005 Gerhard Hring <gh@ghaering.de>  
Copyright 1998 D. J. Hagberg Jr. and Global Atmospherics Inc.  
Copyright (c) 1998 The Open Group  
Copyright 2001-2006 Python Software Foundation Author Keith Dart Contact email-sig@python.org  
Copyright 1991-1995 Stichting Mathematisch Centrum Amsterdam The Netherlands  
Copyright 2001-2020 Python Software Foundation  
Copyright 2011-2014 The OpenBLAS Project  
Copyright 1996-2014 Anthony Green Red Hat Inc and others  
Copyright 2001-2003 David Gravereaux  
Copyright 1994-1996 Expert Interface Technologies  
Copyright 2015, 2017 dateutil contributors  
Copyright 2002-2017 Free Software Foundation Inc  
Copyright 2003-2009 The Regents of the University of California through Lawrence Berkeley National Laboratory  
Copyright (C) 2008 Keith Vetter  
Copyright 1994 Lance Ellinghouse Cathedral City California Republic United States of America  
Copyright 2005 Martin  
Copyright 2015, 2017 Ian Stapleton Cordasco  
Copyright 1990-1995 Stichting Mathematisch Centrum  
Copyright 2001-2007 Python Software Foundation Author Ben Gertzfield Barry Warsaw Contact email-sig@python.org  
Copyright 2006-2009 Google Inc  
Copyright 2000 Mojam Media Inc  
Copyright 2007-2008 Daniel A. Steffen <das@users.sourceforge.net>  
Copyright 2012 Regents of the University of California  
Copyright (c) 2003-2008 Patrick Thoyts  
Copyright 1994-1998 Sun Microsystems Inc  
pot_header = _("SOME DESCRIPTIVE TITLE. Copyright (C) YEAR ORGANIZATION FIRST AUTHOR <EMAIL@ADDRESS> YEAR.  
Copyright 2018 Quansight-Labs  
Copyright (c) 2006 by Pat Thoyts  
Copyright 2006 Systems Optimization Laboratory  
Copyright 1997, 1999-2009 Fredrik Lundh  
Copyright 2001-2006 Twisted Matrix Laboratories  
Copyright 1999-2000 Jeffrey Hobbs  
Copyright 1998 Mark Harrison  
Copyright 2008-2016 The joblib developers  
Copyright 2004, 2008-2009 Pat Thoyts <patthoyts@users.sourceforge.net>  
Copyright 1024, 2048, 3072, 3526, 8192 The OpenSSL Authors. All rights reserved.
```

Copyright 2002-2006 Python Software Foundation Contact email-sig@python.org email package unit tests for
Copyright 2001 Autonomous Zones Industries Inc
Copyright 1995-2001 Corp for National Research Initiatives
Copyright 1993-1999 loi Kim Lam
Copyright Unspecified
Copyright 2007-2012 Michael Foord & the mock team
Copyright (c) 1998-2019 The OpenSSL Project. All rights reserved.
Copyright 2004-2017 Holger Krekel and others
Copyright 1995-1998 Eric Young (eay@cryptsoft.com)
Copyright 2014 Rackspace
Copyright 2017 Intel Corp published
Copyright 2009-2010 Donal K. Fellows
Copyright 2008-2012 AQR Capital Management LLC Lambda Foundry Inc. and PyData Development Team
Copyright 2007-2008 Damian Eads
Copyright 2004-2005 Elemental Security Inc
Copyright 2001-2002 Python Software Foundation csv package unit tests
Copyright 1992-2013 The University of Tennessee and The University of Tennessee Research Foundation
Copyright 2018 Isaac Muse <isaacmuse@gmail.com>
Copyright 2005-2006 Martin von Lwis
Copyright 2004-2007 Gerhard H
Copyright 2004 Joe English
Copyright 2000-2013 The University of California Berkeley
Copyright 2010-2019 Max-Planck-Society
Copyright 2012 Massachusetts Institute of Technology
Copyright 2000 Timothy O'Malley <timo@alum.mit.edu>
Copyright 1998 Scritpics Corp
Copyright 2013-2014 Pexpect development team
Copyright 2006-2007 Georg Brandl
This program is linked with and uses Microsoft Distributable Code copyrighted by Microsoft Corporation. The Microsoft Distributable Code is embedded in each .exe .dll and .pyd file as a result of running the code through a linker.
Copyright 1987-1994 Adobe Systems Inc
Copyright 2013-2014 Ray Holder
Copyright 2000 Ajuba Solutions Contributions from Don Porter NIST
Copyright 1998-2000 Ajuba Solutions
Copyright 2001-2007 Python Software Foundation Author Barry Warsaw Thomas Wouters Anthony Baxter Contact email-sig@python.org
Copyright 2005 Ian Bicking and contributors written for Paste
Copyright 2000 Guido van Rossum
Copyright 2003-2011 Gustavo Niemeyer <gustavo@niemeyer.net>
Copyright 1996 Sam Rushing
Copyright 2013 W3C
Copyright 1981, 2000-2001, 2003-2005, 2008-2009 IBM Corp
Copyright 1984, 1995, 2000 Stephen L. Moshier
Copyright 1996-2010 Julian R Seward
Copyright 2011-2012 Authors Pietro Berkes Andreas Muller
Copyright Microsoft Corporation. All rights reserved.
Copyright 2012-2013 Larry Hastings
Copyright 2001-2007 Python Software Foundation Author Anthony Baxter Contact email-sig@python.org
Copyright 2012 Facebook
Copyright 1991-1995 Stichting Mathematisch Centrum Amsterdam
Copyright 2012 Noah Spurrier <noah@noah.org>
Copyright (c) 2008 by Christian Heimes <christian@cheimes.de> Licensed to PSF under
Copyright 2007-2012 Michael Foord & the mock team E-mail fuzzyman AT voidspace DOT org DOT uk
Copyright 2000-2010 eGenix.com Software GmbH mailto info@egenix.com
Copyright 2002 ActiveState Corp
Copyright 2001 Python Software Foundation Barry Warsaw <barry@python.org>
Copyright 1999-2003 Steve Purcell
Copyright (c) 2017 Ashok P. Nadkarni -----

[Public]

Copyright Copyright 2001 by ActiveState Corporation et al
Copyright 2000-2001 Tix Project Group
Copyright 2015-2017 Nir Cohen
Copyright 2001-2002 Enthought Inc
Copyright 1995-1997 Automatrix Inc
Copyright 2014 Rackspace license Apache
Copyright 2008 Armin Ronacher
Copyright 2001-2010 Python Software Foundation Contact email-sig@python.org email package unit tests
Copyright 2000 BeOpen.com
Copyright 1995-2017 Jean-loup Gailly and Mark Adler
Copyright 2004-2006 Python Software Foundation Authors Baxter Wouters and Warsaw Contact email-sig@python.org
Copyright 2002-2003 Python Software Foundation. Written by Greg Ward <gward@python.net>
Copyright 2007 ActiveState Software Inc
Copyright 2006-2008 R Oudkerk
Copyright 2000 Bastian Kleineidam
Copyright 1999-2006 Gregory P. Ward
Copyright (c) 2010-2015 by Harald Oehlmann.
Copyright 2001-2002 Python Software Foundation and were written by Barry Warsaw
Copyright 2009 Brian Quinlan
Copyright 2002 Lars Gustaebel <lars@gustaebel.de>
Copyright 2005-2019 NumPy Developers
Copyright 2006-2013 The University of Colorado Denver
Copyright 2000 Luke Kenneth Casson Leighton <lkcl@samba.org>
Copyright 1994 X Consortium
Copyright 2019 threadpoolctl contributors
Copyright Copyright 2001-2016 Python Software Foundation. Copyright 2000 BeOpen.com. Copyright 1995-2001 CNRI. Copyright 1991-1995 SMC.
Copyright 2015, 2017 Paul Ganssle <paul@ganssle.io>
Copyright 2014-2016 Yaron de Leeuw <me@jarondl.net>
Copyright 1998-2000 Scriptics Corp
Copyright 2009 Motorola Inc
Copyright 2006-2010 Gregor Lingl email glingl@aon.at
Copyright 2008 Armin Ronacher. license Python License
Copyright 2014 Rackspace'
Copyright 1997-2002 Secret Labs AB
Copyright 1995-1996 Virginia Polytechnic Institute & State University Blacksburg Virginia USA and Fred L. Drake Jr. Reston Virginia USA
Copyright 1996 treaty adopted on
Copyright 2015-2016 Will Bond <will@wbond.net>
Copyright 2005-2010 Gregory P. Smith (greg@krypto.org)
Copyright 1999 Bioreason Inc
Copyright 2012-2014 Tomi Pievilinen <tomi.pievilainen@iki.fi>
Copyright 2002-2007 Python Software Foundation Contact email-sig@python.org

python-attrs version 18.2.0
<<<<<<<<xilinx-separator>>>>>>>>>

The text of the MIT License, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s)

Copyright 2015 Hynek Schlawack

python-backcall version 0.2.0
<<<<<<<<xilinx-separator>>>>>>>>>

Copyright (c) 2014, Thomas Kluyver
All rights reserved.

Redistribution and use in source and binary forms, with or without modification,
are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this
list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this
list of conditions and the following disclaimer in the documentation and/or
other materials provided with the distribution.
- * Neither the name of the {organization} nor the names of its
contributors may be used to endorse or promote products derived from
this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED
WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR
ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
(INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;
LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON
ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS
SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright 2014 Thomas Kluyver
Copyright 2013 The IPython Development Team
Copyright (C) 2013 Aaron Iles Used under Apache License Version

python-dateutil version 2.8.1
<<<<<<<<<xilinx-separator>>>>>>>>>

>>> Apache license 2.0

The text of the Apache License Version 2.0, a copy of which is made available below in Part Four of this document, was originally
presented here, or as applicable, applies to the above-listed file(s).

>>> bsd 3 license

dateutil - Extension
s to the standard Python datetime module. Copyright (c) 2003-20
11 - Gustavo Niemeyer <gustavo@niemeyer.net> Copyright (c) 2012-
2014 - Tomi Pievil inen <tomi.pievilainen@iki.fi> Copyright (c)
2014-2016 - Yaron de Leeuw <me@jarondl.net> Copyright (c) 2015-
- Paul Ganssle <paul@ganssle.io> Copyright (c) 2015- -
dateutil contributors (see AUTHORS file) All rights reserved.
Redistribution and use in source and binary forms, with or witho
ut modification, are permitted provided that the following condi
tions are met: * Redistributions of source code must retain
the above copyright notice, this list of conditions and t
he following disclaimer. * Redistributions in binary form mu

Copyright 2003-2011 Gustavo Niemeyer <gustavo@niemeyer.net>
Copyright 2017 Intel Corp
Copyright 2015, 2017 Paul Ganssle <paul@ganssle.io>
Copyright 2014-2016 Yaron de Leeuw <me@jarondl.net>
Copyright 2015, 2017 dateutil contributors
Copyright 2013-2017 Louis Dionne
Copyright 2017 Intel Corp published
Copyright 2005 John Maddock
Copyright 2012-2014 Tomi Pievilinen <tomi.pievilainen@iki.fi>

```
python-dateutil version 2.8.2
<<<<<<<xilinx-separator>>>>>>>
```

Copyright 2017- Paul Ganssle <paul@ganssle.io>
Copyright 2017- dateutil contributors (see AUTHORS file)

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

The above license applies to all contributions after 2017-12-01, as well as all contributions that have been re-licensed (see AUTHORS file for the list of contributors who have re-licensed their code).

dateutil - Extensions to the standard Python datetime module.

[Public]

Copyright (c) 2003-2011 - Gustavo Niemeyer <gustavo@niemeyer.net>

Copyright (c) 2012-2014 - Tomi Pieviläinen <tomi.pievilainen@iki.fi>

Copyright (c) 2014-2016 - Yaron de Leeuw <me@jarondl.net>

Copyright (c) 2015- - Paul Ganssle <paul@ganssle.io>

Copyright (c) 2015- - dateutil contributors (see AUTHORS file)

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The above BSD License Applies to all code, even that also covered by Apache 2.0.

python-dateutil version 2.9.0

<<<<<<<<<xilinx-separator>>>>>>>>>

Copyright 2017- Paul Ganssle <paul@ganssle.io>

Copyright 2017- dateutil contributors (see AUTHORS file)

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Copyright (c) 2003-2011 - Gustavo Niemeyer <gustavo@niemeyer.net>
Copyright (c) 2012-2014 - Tomi Pieviläinen <tomi.pievilainen@iki.fi>
Copyright (c) 2014-2016 - Yaron de Leeuw <me@jarondl.net>
Copyright (c) 2015- - Paul Ganssle <paul@ganssle.io>
Copyright (c) 2015- - dateutil contributors (see AUTHORS file)

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The above BSD License Applies to all code, even that also covered by Apache 2.0.

```
python-decorator version 5.0.9
<<<<<<<xilinx-separator>>>>>>>
```

Copyright (c) 2005-2018, Michele Simionato
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright 2005-2021 Michele Simionato

```
decorator version 5.1.0
<<<<<<<xilinx-separator>>>>>>>
```

Copyright (c) 2005-2018, Michele Simionato
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in bytecode form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright 2005-2021 Michele Simionato

* Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (C) 2010-2011 IPython Development Team. -----
Copyright 2010 Doug Hellmann
(c) 2009 by Robert Kern. license BSD License.
Copyright 2014-2015 Jonathan Slenders
Copyright 2001 Janko Hauser <jhauser@zscout.de> and
Copyright 2008-2013, 2018 The IPython Development Team
Copyright (C) 2008 Pauli Virtanen <pav@iki.fi>
Copyright resulting from Directive
Copyright 2001 Nathaniel Gray <n8gray@caltech.edu>
copyright 2007 by Armin Ronacher. Portions
copyright to 2011
Copyright (c) 2008-Present IPython Development Team -
Copyright 2001-2007 Fernando Perez <fernando.perez@colorado.edu>
Copyright 2001-2006 Fernando Perez <fperez@colorado.edu>
Copyright (C) 2005 Jrgen Stenarson <jorgen.stenarson@bostream.nu>
Copyright (C) 2000 Thomas Heller
copyright date to 2012
Copyright 2008-2012 IPython Development Team
Copyright (C) 2005-2006 Fernando Perez. <Fernando.Perez@colorado.edu>
Copyright (C) 2005 Fernando Perez <fperez@colorado.edu> Brian E Granger <ellisonbg@gmail.com> Benjamin Ragan-Kelley
<benjaminrk@gmail.com>
Copyright 2008, 2012 The IPython Development Team -----
Copyright (C) 2016 The IPython Team <ipython-dev@scipy.org>
Copyright 2001 Janko Hauser <jhauser@zscout.de>
Copyright (c) 2001 Janko Hauser <jhauser@zscout.de> -
Copyright 2001 Python Software Foundation www.python.org
Copyright (c) 2001-2007 Fernando Perez <fernando.perez@colorado.edu> -
Copyright 2001-2007 Fernando Perez. <fperez@colorado.edu>

python-jedi version 0.18.0
<<<<<<<<xilinx-separator>>>>>>>>>

Copyright (c) <2013> <David Halter and others, see AUTHORS.txt>

The text of the MIT License, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s)

```
python-jedi version 0.19.2
<<<<<<<xilinx-separator>>>>>>>
```

All contributions towards Jedi are MIT licensed.

The MIT License (MIT)

Copyright (c) <2013> <David Halter and others, see AUTHORS.txt>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

```
python-json-logger version 3.2.1
<<<<<<<xilinx-separator>>>>>>>
```

Copyright (c) 2011, Zakaria Zajac and the python-json-logger Contributors
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

```
pytz version 2020.1
<<<<<<<xilinx-separator>>>>>>>
```

Copyright (c) 2003-2019 Stuart Bishop <stuart@stuartbishop.net>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

```
>>>
# This file is in the public domain, so clarified as of
# 2009-05-17 by Arthur David Olson.
```

Copyright 2001-2015 Gennadiy Rozental
Copyright 2013-2017 Louis Dionne
Copyright 2003-2019 Stuart Bishop <stuart@stuartbishop.net>
Copyright 2008 Anthony Williams

```
pytz version 2024.2
<<<<<<<xilinx-separator>>>>>>>>
```

Copyright (c) 2003-2019 Stuart Bishop <stuart@stuartbishop.net>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING

Copyright (c) 2017-2021 Ingy dÑt Net
Copyright (c) 2006-2016 Kirill Simonov

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright 2017-2021 Ingy dt Net
Copyright (c) 2006-2016 Kirill Simonov

Copyright (c) 2017-2021 Ingy dñt Net
Copyright (c) 2006-2016 Kirill Simonov

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,

Copyright 2017-2021 Ingy dt Net
Copyright (c) 2006-2016 Kirill Simonov

```
pyzmq version 22.3.0
<<<<<<<xilinx-separator>>>>>>>
```

GNU LESSER GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <<http://fsf.org/>>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

This version of the GNU Lesser General Public License incorporates the terms and conditions of version 3 of the GNU General Public License, supplemented by the additional permissions listed below.

0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser General Public License, and the "GNU GPL" refers to version 3 of the GNU General Public License.

"The Library" refers to a covered work governed by this License, other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided by the Library, but which is not otherwise based on the Library. Defining a subclass of a class defined by the Library is deemed a mode of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an Application with the Library. The particular version of the Library with which the Combined Work was made is also called the "Linked Version".

The "Minimal Corresponding Source" for a Combined Work means the Corresponding Source for the Combined Work, excluding any source code for portions of the Combined Work that, considered in isolation, are based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

- a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or
- b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.

3. Object Code Incorporating Material from Library Header Files.

The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

- a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.
- b) Accompany the object code with a copy of the GNU GPL and this license document.

4. Combined Works.

You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

- a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.
- b) Accompany the Combined Work with a copy of the GNU GPL and this license document.
- c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.
- d) Do one of the following:

0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.

1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)

5. Combined Libraries.

You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

- a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.
- b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser

General Public License ever published by the Free Software Foundation.

If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

SPECIAL EXCEPTION GRANTED BY COPYRIGHT HOLDERS

As a special exception, copyright holders give you permission to link this library with independent modules to produce an executable, regardless of the license terms of these independent modules, and to copy and distribute the resulting executable under terms of your choice, provided that you also meet, for each linked independent module, the terms and conditions of the license of that module. An independent module is a module which is not derived from or based on this library. If you modify this library, you must extend this exception to your version of the library.

Note: this exception relieves you of any obligations under sections 4 and 5 of this license, and section 6 of the GNU General Public License.

>>> BSD

PyZMQ is licensed under the terms of the Modified BSD License (also known as New or Revised BSD), as follows:

Copyright (c) 2009-2012, Brian Granger, Min Ragan-Kelley

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of PyZMQ nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 2009-2012, Brian Granger, Min Ragan-Kelley

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

```
qtconsole version 5.6.1
<<<<<<<xilinx-separator>>>>>>>
```

D 3-Clause License

Copyright (c) 2017, Project Jupyter Contributors
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice,

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

```
referencing version 0.36.2
<<<<<<<xilinx-separator>>>>>>>>
```

Copyright (c) 2022 Julian Berman

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

The text of the Apache License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s)

```
rfc3339-validator~0.1.4.txt version 0.1.4
<<<<<<<xilinx-separator>>>>>>>
```

MIT License

Copyright (c) 2019, Nicolas Aimetti

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

```
rfc3986-validator version 0.1.1
<<<<<<<xilinx-separator>>>>>>>
```

MIT License

Copyright (c) 2019, Nicolas Aimetti

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

Copyright 2020 Will McGugan
cli-spinners MIT License Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com) Permission is hereby granted free of charge to any person obtaining a copy of this software and associated documentation files (the Software) to deal

```
rich version 9.13.0
<<<<<<<xilinx-separator>>>>>>>>
```

Copyright 2020 Will McGugan

```
rpds-py version 0.22.3
<<<<<<<xilinx-separator>>>>>>>
```

Copyright (c) 2023 Julian Berman

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

```
ruamel.yaml version 0.17.21
<<<<<<<xilinx-separator>>>>>>>
```

The MIT License (MIT)

Copyright (c) 2014-2022 Anthon van der Neut, Ruamel bvba

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright (c) 2014-2022 Anthon van der Neut Ruamel bvba

```
ruamel.yaml.clib version 0.2.7
<<<<<<<xilinx-separator>>>>>>>
```

The MIT License (MIT)

Copyright (c) 2014-2022 Anthon van der Neut, Ruamel bvba

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

```
scikit-learn version 0.23.1
<<<<<<<xilinx-separator>>>>>>>
```

New BSD License

Copyright (c) 2007â€“2020 The scikit-learn developers.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- a. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- b. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- c. Neither the name of the Scikit-learn Developers nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

```
>>>> MIT
# module pyparsing.py
#
# Copyright (c) 2003-2016 Paul T. McGuire
#
# Permission is hereby granted, free of charge, to any person obtaining
# a copy of this software and associated documentation files (the
# "Software"), to deal in the Software without restriction, including
# without limitation the rights to use, copy, modify, merge, publish,
# distribute, sublicense, and/or sell copies of the Software, and to
# permit persons to whom the Software is furnished to do so, subject to
# the following conditions:
#
# The above copyright notice and this permission notice shall be
# included in all copies or substantial portions of the Software.
#
```

```
# THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,  
# EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF  
# MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.  
# IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY  
# CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT,  
# TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE  
# SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.  
#
```

```
>>> Public Domain
```

```
// MurmurHash3 was written by Austin Appleby, and is placed in the public  
// domain. The author hereby disclaims copyright to this source code.
```

```
>>>>
```

```
"""This module contains the _EstimatorPrettyPrinter class used in  
BaseEstimator.__repr__ for pretty-printing estimators"""
```

```
# Copyright (c) 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010,  
# 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018 Python Software Foundation;  
# All Rights Reserved
```

```
# Authors: Fred L. Drake, Jr. <fdrake@acm.org> (built-in CPython pprint module)  
#         Nicolas Hug (scikit-learn specific changes)
```

```
# License: PSF License version 2 (see below)
```

```
# PYTHON SOFTWARE FOUNDATION LICENSE VERSION 2
```

```
# -----
```

```
# 1. This LICENSE AGREEMENT is between the Python Software Foundation ("PSF"),  
# and the Individual or Organization ("Licensee") accessing and otherwise  
# using this software ("Python") in source or binary form and its associated  
# documentation.
```

```
# 2. Subject to the terms and conditions of this License Agreement, PSF hereby  
# grants Licensee a nonexclusive, royalty-free, world-wide license to  
# reproduce, analyze, test, perform and/or display publicly, prepare  
# derivative works, distribute, and otherwise use Python alone or in any  
# derivative version, provided, however, that PSF's License Agreement and  
# PSF's notice of copyright, i.e., "Copyright (c) 2001, 2002, 2003, 2004,  
# 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016,  
# 2017, 2018 Python Software Foundation; All Rights Reserved" are retained in  
# Python alone or in any derivative version prepared by Licensee.
```

```
# 3. In the event Licensee prepares a derivative work that is based on or  
# incorporates Python or any part thereof, and wants to make the derivative  
# work available to others as provided herein, then Licensee hereby agrees to  
# include in any such work a brief summary of the changes made to Python.
```

```
# 4. PSF is making Python available to Licensee on an "AS IS" basis. PSF MAKES  
# NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT  
# NOT LIMITATION, PSF MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF  
# MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF  
# PYTHON WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.
```

```
# 5. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON FOR ANY  
# INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF  
# MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON, OR ANY DERIVATIVE
```


derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

```
>>>> MIT
# module pyparsing.py
#
# Copyright (c) 2003-2016 Paul T. McGuire
#
# Permission is hereby granted, free of charge, to any person obtaining
# a copy of this software and associated documentation files (the
# "Software"), to deal in the Software without restriction, including
# without limitation the rights to use, copy, modify, merge, publish,
# distribute, sublicense, and/or sell copies of the Software, and to
# permit persons to whom the Software is furnished to do so, subject to
# the following conditions:
#
# The above copyright notice and this permission notice shall be
# included in all copies or substantial portions of the Software.
#
# THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
# EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
# MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.
# IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY
# CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT,
# TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE
# SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
#

>>> Public Domain
// MurmurHash3 was written by Austin Appleby, and is placed in the public
// domain. The author hereby disclaims copyright to this source code.

>>>>
"""This module contains the _EstimatorPrettyPrinter class used in
BaseEstimator.__repr__ for pretty-printing estimators"""

# Copyright (c) 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010,
# 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018 Python Software Foundation;
# All Rights Reserved

# Authors: Fred L. Drake, Jr. <fdrake@acm.org> (built-in CPython pprint module)
#         Nicolas Hug (scikit-learn specific changes)
```

License: PSF License version 2 (see below)

PYTHON SOFTWARE FOUNDATION LICENSE VERSION 2

1. This LICENSE AGREEMENT is between the Python Software Foundation ("PSF"),
and the Individual or Organization ("Licensee") accessing and otherwise
using this software ("Python") in source or binary form and its associated
documentation.

2. Subject to the terms and conditions of this License Agreement, PSF hereby
grants Licensee a nonexclusive, royalty-free, world-wide license to
reproduce, analyze, test, perform and/or display publicly, prepare
derivative works, distribute, and otherwise use Python alone or in any
derivative version, provided, however, that PSF's License Agreement and
PSF's notice of copyright, i.e., "Copyright (c) 2001, 2002, 2003, 2004,
2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016,
2017, 2018 Python Software Foundation; All Rights Reserved" are retained in
Python alone or in any derivative version prepared by Licensee.

3. In the event Licensee prepares a derivative work that is based on or
incorporates Python or any part thereof, and wants to make the derivative
work available to others as provided herein, then Licensee hereby agrees to
include in any such work a brief summary of the changes made to Python.

4. PSF is making Python available to Licensee on an "AS IS" basis. PSF MAKES
NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT
NOT LIMITATION, PSF MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF
MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF
PYTHON WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

5. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON FOR ANY
INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF
MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON, OR ANY DERIVATIVE
THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material
breach of its terms and conditions.

7. Nothing in this License Agreement shall be deemed to create any
relationship of agency, partnership, or joint venture between PSF and
Licensee. This License Agreement does not grant permission to use PSF
trademarks or trade name in a trademark sense to endorse or promote products
or services of Licensee, or any third party.

8. By copying, installing or otherwise using Python, Licensee agrees to be
bound by the terms and conditions of this License Agreement.

Copyright 2011 Olivier Grisel <olivier.grisel@ensta.org> License BSD

Copyright 2011-2019 The Bootstrap Authors

Copyright 2007-2019 the Sphinx team

Copyright 2007 Apple Inc. all rights reserved.

Copyright (c) 2007 David Cournapeau <cournape@gmail.com>

Copyright (c) 2003-2016 Paul T. McGuire

Copyright (c) 2011 Renato de Pontes Pereira renato.pponetes at gmail dot com

Copyright 2011-2019 Twitter Inc

Copyright (C) 2007-2009 Cournapeau David <cournape@gmail.com>

Copyright (c) 2004-2017 Holger Krekel and others Licensed under MIT License. See <https://github.com/pytest-dev/pytest>

Copyright (c) 2018 Isaac Muse <isaacmuse@gmail.com>

Copyright 2001-2018 Python Software Foundation

Copyright (c) 2011 David Warde-Farley

Copyright 2001-2002 Enthought Inc

Copyright (c) 2003-2017 SciPy Developers. All rights reserved.

Copyright 2011, 2014 clause

Copyright 2010-2011, 2014 INRIA

Copyright (c) 2000-2009 Chih-Chung Chang and Chih-Jen Lin All rights reserved.

Copyright (c) 2011-2012 Authors Pietro Berkes Andreas Muller

Copyright 1998 Hewlett-Packard Co

Copyright 2014 Steven Loria

Name: GCC runtime library

Files: `scikit_learn.libs/libgomp*.so*`

Availability: <https://gcc.gnu.org/git/?p=gcc.git;a=tree;f=libgomp>

GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

Copyright (C) 2009 Free Software Foundation, Inc. <<http://fsf.org/>>

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

This GCC Runtime Library Exception ("Exception") is an additional permission under section 7 of the GNU General Public License, version 3 ("GPLv3"). It applies to a given file (the "Runtime Library") that bears a notice placed by the copyright holder of the file stating that the file is governed by GPLv3 along with this Exception.

When you use GCC to compile a program, GCC may combine portions of certain GCC header files and runtime libraries with the compiled program. The purpose of this Exception is to allow compilation of non-GPL (including proprietary) programs to use, in this way, the header files and runtime libraries covered by this Exception.

0. Definitions.

A file is an "Independent Module" if it either requires the Runtime Library for execution after a Compilation Process, or makes use of an interface provided by the Runtime Library, but is not otherwise based on the Runtime Library.

"GCC" means a version of the GNU Compiler Collection, with or without modifications, governed by version 3 (or a specified later version) of the GNU General Public License (GPL) with the option of using any subsequent versions published by the FSF.

"GPL-compatible Software" is software whose conditions of propagation, modification and use would permit combination with GCC in accord with the license of GCC.

"Target Code" refers to output from any compiler for a real or virtual target processor architecture, in executable form or suitable for input to an assembler, loader, linker and/or execution phase. Notwithstanding that, Target Code does not include data in any

format that is used as a compiler intermediate representation, or used for producing a compiler intermediate representation.

The "Compilation Process" transforms code entirely represented in non-intermediate languages designed for human-written code, and/or in Java Virtual Machine byte code, into Target Code. Thus, for example, use of source code generators and preprocessors need not be considered part of the Compilation Process, since the Compilation Process can be understood as starting with the output of the generators or preprocessors.

A Compilation Process is "Eligible" if it is done using GCC, alone or with other GPL-compatible software, or if it is done without using any work based on GCC. For example, using non-GPL-compatible Software to optimize any GCC intermediate representations would not qualify as an Eligible Compilation Process.

1. Grant of Additional Permission.

You have permission to propagate a work of Target Code formed by combining the Runtime Library with Independent Modules, even if such propagation would otherwise violate the terms of GPLv3, provided that all Target Code was generated by Eligible Compilation Processes. You may then convey such a combination under terms of your choice, consistent with the licensing of the Independent Modules.

2. No Weakening of GCC Copyleft.

The availability of this Exception does not imply any general presumption that third-party software is unaffected by the copyleft requirements of the license of GCC.

scipy version 1.1.0

<<<<<<<xilinx-separator>>>>>>>

Copyright (c) 2001, 2002 Enthought, Inc.
All rights reserved.

Copyright (c) 2003-2017 SciPy Developers.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- a. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- b. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- c. Neither the name of Enthought nor the names of the SciPy Developers may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR CONTRIBUTORS

BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

SciPy bundles a number of libraries that are compatibly licensed. We list these here.

Name: Numpydoc

Files: doc/sphinxext/numpydoc/*

License: 2-clause BSD

For details, see doc/sphinxext/LICENSE.txt

Name: scipy-sphinx-theme

Files: doc/scipy-sphinx-theme/*

License: 3-clause BSD, PSF and Apache 2.0

For details, see doc/sphinxext/LICENSE.txt

Name: Six

Files: scipy/_lib/six.py

License: MIT

For details, see the header inside scipy/_lib/six.py

Name: Decorator

Files: scipy/_lib/decorator.py

License: 2-clause BSD

For details, see the header inside scipy/_lib/decorator.py

Name: ID

Files: scipy/linalg/src/id_dist/*

License: 3-clause BSD

For details, see scipy/linalg/src/id_dist/doc/doc.tex

Name: L-BFGS-B

Files: scipy/optimize/lbfgsb/*

License: BSD license

For details, see scipy/optimize/lbfgsb/README

Name: SuperLU

Files: scipy/sparse/linalg/dsolve/SuperLU/*

License: 3-clause BSD

For details, see scipy/sparse/linalg/dsolve/SuperLU/License.txt

Name: ARPACK

Files: scipy/sparse/linalg/eigen/arpack/ARPACK/*

License: 3-clause BSD

For details, see scipy/sparse/linalg/eigen/arpack/ARPACK/COPYING

Name: Qhull

Files: scipy/spatial/qhull/*

License: Qhull license (BSD-like)

For details, see scipy/spatial/qhull/COPYING.txt

[Public]

Name: Cephes

Files: scipy/special/cephes/*

License: 3-clause BSD

Distributed under 3-clause BSD license with permission from the author,
see <https://lists.debian.org/debian-legal/2004/12/msg00295.html>

Cephes Math Library Release 2.8: June, 2000

Copyright 1984, 1995, 2000 by Stephen L. Moshier

This software is derived from the Cephes Math Library and is
incorporated herein by permission of the author.

All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright
notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright
notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
- * Neither the name of the <organization> nor the
names of its contributors may be used to endorse or promote products
derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED
WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL <COPYRIGHT HOLDER> BE LIABLE FOR ANY
DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
(INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;
LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS
SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Name: Faddeeva

Files: scipy/special/Faddeeva.*

License: MIT

Copyright (c) 2012 Massachusetts Institute of Technology

Permission is hereby granted, free of charge, to any person obtaining
a copy of this software and associated documentation files (the
"Software"), to deal in the Software without restriction, including
without limitation the rights to use, copy, modify, merge, publish,
distribute, sublicense, and/or sell copies of the Software, and to
permit persons to whom the Software is furnished to do so, subject to
the following conditions:

The above copyright notice and this permission notice shall be
included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE
LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION
OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION

WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Name: qd

Files: scipy/special/cephes/dd_*.ch

License: modified BSD license ("BSD-LBNL-License.doc")

This work was supported by the Director, Office of Science, Division of Mathematical, Information, and Computational Sciences of the U.S. Department of Energy under contract numbers DE-AC03-76SF00098 and DE-AC02-05CH11231.

Copyright (c) 2003-2009, The Regents of the University of California, through Lawrence Berkeley National Laboratory (subject to receipt of any required approvals from U.S. Dept. of Energy) All rights reserved.

1. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

(1) Redistributions of source code must retain the copyright notice, this list of conditions and the following disclaimer.

(2) Redistributions in binary form must reproduce the copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

(3) Neither the name of the University of California, Lawrence Berkeley National Laboratory, U.S. Dept. of Energy nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

2. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

3. You are under no obligation whatsoever to provide any bug fixes, patches, or upgrades to the features, functionality or performance of the source code ("Enhancements") to anyone; however, if you choose to make your Enhancements available either publicly, or directly to Lawrence Berkeley National Laboratory, without imposing a separate written license agreement for such Enhancements, then you hereby grant the following license: a non-exclusive, royalty-free perpetual license to install, use, modify, prepare derivative works, incorporate into other computer software, distribute, and sublicense such enhancements or derivative works thereof, in binary and source code form.

This binary distribution of Scipy also bundles the following software:

Name: OpenBLAS

Files: .libs/libopenb*.so

Description: bundled as a dynamically linked library

Availability: <https://github.com/xianyi/OpenBLAS/>

License: 3-clause BSD

Copyright (c) 2011-2014, The OpenBLAS Project

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the OpenBLAS project nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Name: LAPACK

Files: .libs/libopenb*.so

Description: bundled in OpenBLAS

Availability: <https://github.com/xianyi/OpenBLAS/>

License 3-clause BSD

Copyright (c) 1992-2013 The University of Tennessee and The University of Tennessee Research Foundation. All rights reserved.

Copyright (c) 2000-2013 The University of California Berkeley. All rights reserved.

Copyright (c) 2006-2013 The University of Colorado Denver. All rights reserved.

\$COPYRIGHT\$

Additional copyrights may follow

\$HEADER\$

Redistribution and use in source and binary forms, with or without

modification, are permitted provided that the following conditions are met:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer listed in this license in the documentation and/or other materials provided with the distribution.
- Neither the name of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

The copyright holders provide no reassurances that the source code provided does not infringe any patent, copyright, or any other intellectual property rights of third parties. The copyright holders disclaim any liability to any recipient for claims brought against recipient by any third party for infringement of that parties intellectual property rights.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Name: GCC runtime library

Files: .libs/libgfortran*.so

Description: dynamically linked to files compiled with gcc

Availability: <https://gcc.gnu.org/viewcvs/gcc/>

License: GPLv3 + runtime exception

Copyright (C) 2002-2017 Free Software Foundation, Inc.

Libgfortran is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 3, or (at your option) any later version.

Libgfortran is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

Under Section 7 of GPL version 3, you are granted additional permissions described in the GCC Runtime Library Exception, version 3.1, as published by the Free Software Foundation.

You should have received a copy of the GNU General Public License and a copy of the GCC Runtime Library Exception along with this program;

[Public]

see the files COPYING3 and COPYING.RUNTIME respectively. If not, see
<<http://www.gnu.org/licenses/>>.

Full text of license texts referred to above follows (that they are
listed below does not necessarily imply the conditions apply to the
present binary release):

GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

Copyright (C) 2009 Free Software Foundation, Inc. <<http://fsf.org/>>

Everyone is permitted to copy and distribute verbatim copies of this
license document, but changing it is not allowed.

This GCC Runtime Library Exception ("Exception") is an additional
permission under section 7 of the GNU General Public License, version
3 ("GPLv3"). It applies to a given file (the "Runtime Library") that
bears a notice placed by the copyright holder of the file stating that
the file is governed by GPLv3 along with this Exception.

When you use GCC to compile a program, GCC may combine portions of
certain GCC header files and runtime libraries with the compiled
program. The purpose of this Exception is to allow compilation of
non-GPL (including proprietary) programs to use, in this way, the
header files and runtime libraries covered by this Exception.

0. Definitions.

A file is an "Independent Module" if it either requires the Runtime
Library for execution after a Compilation Process, or makes use of an
interface provided by the Runtime Library, but is not otherwise based
on the Runtime Library.

"GCC" means a version of the GNU Compiler Collection, with or without
modifications, governed by version 3 (or a specified later version) of
the GNU General Public License (GPL) with the option of using any
subsequent versions published by the FSF.

"GPL-compatible Software" is software whose conditions of propagation,
modification and use would permit combination with GCC in accord with
the license of GCC.

"Target Code" refers to output from any compiler for a real or virtual
target processor architecture, in executable form or suitable for
input to an assembler, loader, linker and/or execution
phase. Notwithstanding that, Target Code does not include data in any
format that is used as a compiler intermediate representation, or used
for producing a compiler intermediate representation.

The "Compilation Process" transforms code entirely represented in
non-intermediate languages designed for human-written code, and/or in
Java Virtual Machine byte code, into Target Code. Thus, for example,

use of source code generators and preprocessors need not be considered part of the Compilation Process, since the Compilation Process can be understood as starting with the output of the generators or preprocessors.

A Compilation Process is "Eligible" if it is done using GCC, alone or with other GPL-compatible software, or if it is done without using any work based on GCC. For example, using non-GPL-compatible Software to optimize any GCC intermediate representations would not qualify as an Eligible Compilation Process.

1. Grant of Additional Permission.

You have permission to propagate a work of Target Code formed by combining the Runtime Library with Independent Modules, even if such propagation would otherwise violate the terms of GPLv3, provided that all Target Code was generated by Eligible Compilation Processes. You may then convey such a combination under terms of your choice, consistent with the licensing of the Independent Modules.

2. No Weakening of GCC Copyleft.

The availability of this Exception does not imply any general presumption that third-party software is unaffected by the copyleft requirements of the license of GCC.

GNU GENERAL PUBLIC LICENSE Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <<http://fsf.org/>>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have

certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

1. Source Code.

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.

4. Conveying Verbatim Copies.

You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

- a) The work must carry prominent notices stating that you modified it, and giving a relevant date.
- b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".
- c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.
- d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

- a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.
- b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the

product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the

User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

- a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or
- b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or
- c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or
- d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

- e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or
- f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.

9. Acceptance Not Required for Having Copies.

You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to

sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.

12. No Surrender of Others' Freedom.

If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

```
<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>
```

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

```
<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <<http://www.gnu.org/philosophy/why-not-lgpl.html>>.

>>> boost license

Boost Software License - Version 1.0 - August 17th, 2003

Permission is hereby granted, free of charge, to any person or organization obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following:

The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright 2006 Johan Rade asinh

Copyright 2001, 2006 Daryle Walker

Copyright 2005-2015 Michele Simionato

Copyright 2003 The Regents of the University of California through

Copyright 2013 Niall Douglas additions for colors and alignment

Copyright 2008 Gautam Sewani

Copyright 2011-2014 The OpenBLAS Project

Copyright 2001-2005 Enthought Inc

Copyright 2006, 2011 John Maddock test

Copyright 1996-2008 Rice University. Developed by D.C. Sorensen R.B. Lehoucq C. Yang and K. Maschhoff

Copyright 2002-2017 Free Software Foundation Inc

Copyright 2002 Pearu Peterson

Copyright 2003-2009 The Regents of the University of California through Lawrence Berkeley National Laboratory

Copyright 2005-2013 John Maddock

Copyright 2010 Thomas P. Robitaille

Copyright 2007 Sbastien Fabbro

Copyright 2011 Paul A. Bristow Inc Boost.Math test

Copyright 2010 Paul A. Bristow zztest

Copyright 2004 David M. Cooke <cookedm@physics.mcmaster.ca>

Copyright 2007 John Travers <jtravs@gmail.com>

Copyright 2018 Quansight-Labs

Copyright 2006 Systems Optimization Laboratory

Copyright 2013 Kenneth L. Ho Redistribution and

Copyright 2001, 2003, 2013, 2015 Boost.Test contributors
Copyright 2014 Andrey Semashev
Copyright 2008 Brian M. Clapper <bmc@clapper.org> Gael Varoquaux Author Brian M. Clapper Gael Varoquaux License
Copyright 2018-2019 Glen Joseph Fernandes (glenjofe@gmail.com)
Copyright 2002, 2007-2008 The Trustees of Indiana University
Copyright 2004-2005 Jean-Sebastien Roy (js@jeannot.org)
Copyright 2013 Paul A. Bristow additions for more colors and alignments
Copyright 1992-2015 The University of Tennessee and The University
Copyright 2012 ohn Maddock
Copyright 2010 Jordi Gutierrez Hermoso
Copyright 2014-2015, 2019 Raffi Enficiaud
Copyright 2014 Zach Laine
Copyright 2015, 2017 Jason Rice
Copyright 2007-2008 Damian Eads
Copyright 2006-2007, 2011 Paul Bristow
Copyright 2009, 2015 Pauli Virtanen <pav@iki.fi> Distributed
Copyright 2007 John Maddock beta
Copyright 2006-2013 Paul A. Bristow
copyright 2015 Charly Chevalier
Copyright 2010-2013, 2015 Andrii Sydoruk
Copyright 2006-2007 Daryle Walker Hubert Holin John Maddock
Copyright 2010 David Fong and Michael Saunders
Copyright 2008, 2014-2018 Rene Rivera Distributed
Copyright 2013 Kenneth L. Ho
Copyright 2018 Mike Dev
Copyright 2010-2019 Max-Planck-Society
Copyright 2003-2005 Hubert Holin
Copyright 2012 Massachusetts Institute of Technology
Copyright 2008 Anne M. Archibald
Copyright 2015 Tyler Reddy Ross Hemsley Edd Edmondson Nikolai Nowaczyk Joe Pitt-Francis
Copyright 2014 P.-G. Martinsson V. Rokhlin Y. Shkolnisky and M. Tygert
Copyright 2002 Gary Strangman
Copyright 2005-2019 Rene Rivera
Copyright 2006 Johan Rade
Copyright 2007 John Maddock sph
Copyright 1992-2015 The University of Tennessee and The University of Tennessee Research Foundation
Copyright 2012 Paul A. Bristow with new tests. test
Copyright Markus J. Weber 2015
Copyright 2001 Beman Dawes
Copyright 2008 Bruno Lalande
Copyright Rene Rivera 2013-2014
Copyright 1984, 1995, 2000 Stephen L. Moshier
Copyright 2010 David Fong and Michael Saunders Distributed
Copyright 2012 Benjamin Sobotta
Copyright 2003 David Abrahams
Copyright 2011 Paul A. Bristow To incorporate into Boost.Math test
Copyright 2011 Paul A. Bristow test
Copyright 2008 Gautam Sewani test
Copyright 2009-2010 Intel Corp license banner --
Copyright 2006 Johan Rade test
Copyright 2011 Paul A. Bristow - filename changes for boost-trunk. test
Copyright 2006-2015 The University of Colorado Denver
Copyright (C) 2011-2017 Antony Polukhin
Copyright 2006-2007 Robert Hetland <hetland@tamu.edu>
Copyright 2003-2017 SciPy Developers
Copyright 2011 Paul A. Bristow comments test
Copyright 2002-2016 The SciPy Developers
Copyright 2010-2012 Benjamin Peterson

<<<<<<<xilinx-separator>>>>>>>

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

Vivado ML Lab Solutions Third Party Licensing Guide

[Public]

Name: libquadmath

Files: scipy.libs/libquadmath*.so

Description: dynamically linked to files compiled with gcc

Availability: <https://gcc.gnu.org/git/?p=gcc.git;a=tree;f=libquadmath>

License: LGPL-2.1-or-later

GCC Quad-Precision Math Library

Copyright (C) 2010-2019 Free Software Foundation, Inc.

Written by Francois-Xavier Coudert <fxcoudert@gcc.gnu.org>

This file is part of the libquadmath library.

Libquadmath is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

Libquadmath is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.
<https://www.gnu.org/licenses/old-licenses/lgpl-2.1.html>

Name: GCC runtime library

Files: scipy.libs/libgfortran*.so

Description: dynamically linked to files compiled with gcc

Availability: <https://gcc.gnu.org/git/?p=gcc.git;a=tree;f=libgfortran>

License: GPL-3.0-with-GCC-exception

Copyright (C) 2002-2017 Free Software Foundation, Inc.

Libgfortran is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 3, or (at your option) any later version.

Libgfortran is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

Under Section 7 of GPL version 3, you are granted additional permissions described in the GCC Runtime Library Exception, version 3.1, as published by the Free Software Foundation.

You should have received a copy of the GNU General Public License and a copy of the GCC Runtime Library Exception along with this program; see the files COPYING3 and COPYING.RUNTIME respectively. If not, see <<http://www.gnu.org/licenses/>>.

Full text of license texts referred to above follows (that they are listed below does not necessarily imply the conditions apply to the present binary release):

GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

Copyright (C) 2009 Free Software Foundation, Inc. <<http://fsf.org/>>

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

This GCC Runtime Library Exception ("Exception") is an additional permission under section 7 of the GNU General Public License, version 3 ("GPLv3"). It applies to a given file (the "Runtime Library") that bears a notice placed by the copyright holder of the file stating that the file is governed by GPLv3 along with this Exception.

When you use GCC to compile a program, GCC may combine portions of certain GCC header files and runtime libraries with the compiled program. The purpose of this Exception is to allow compilation of non-GPL (including proprietary) programs to use, in this way, the header files and runtime libraries covered by this Exception.

0. Definitions.

A file is an "Independent Module" if it either requires the Runtime Library for execution after a Compilation Process, or makes use of an interface provided by the Runtime Library, but is not otherwise based on the Runtime Library.

"GCC" means a version of the GNU Compiler Collection, with or without modifications, governed by version 3 (or a specified later version) of the GNU General Public License (GPL) with the option of using any subsequent versions published by the FSF.

"GPL-compatible Software" is software whose conditions of propagation, modification and use would permit combination with GCC in accord with the license of GCC.

"Target Code" refers to output from any compiler for a real or virtual target processor architecture, in executable form or suitable for input to an assembler, loader, linker and/or execution phase. Notwithstanding that, Target Code does not include data in any format that is used as a compiler intermediate representation, or used for producing a compiler intermediate representation.

The "Compilation Process" transforms code entirely represented in non-intermediate languages designed for human-written code, and/or in Java Virtual Machine byte code, into Target Code. Thus, for example, use of source code generators and preprocessors need not be considered part of the Compilation Process, since the Compilation Process can be understood as starting with the output of the generators or preprocessors.

A Compilation Process is "Eligible" if it is done using GCC, alone or with other GPL-compatible software, or if it is done without using any work based on GCC. For example, using non-GPL-compatible Software to optimize any GCC intermediate representations would not qualify as an Eligible Compilation Process.

1. Grant of Additional Permission.

You have permission to propagate a work of Target Code formed by combining the Runtime Library with Independent Modules, even if such propagation would otherwise violate the terms of GPLv3, provided that all Target Code was generated by Eligible Compilation Processes. You may then convey such a combination under terms of your choice, consistent with the licensing of the Independent Modules.

2. No Weakening of GCC Copyleft.

The availability of this Exception does not imply any general presumption that third-party software is unaffected by the copyleft requirements of the license of GCC.

GNU GENERAL PUBLIC LICENSE Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <<http://fsf.org/>>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through

a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

1. Source Code.

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited

permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.

4. Conveying Verbatim Copies.

You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

- a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a

network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

- a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or
- b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or
- c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or
- d) Limiting the use for publicity purposes of names of licensors or authors of the material; or
- e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or
- f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is

governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.

9. Acceptance Not Required for Having Copies.

You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically

receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent

license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.

12. No Surrender of Others' Freedom.

If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

```
<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>
```

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

```
<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

scipy version 1.16.1

<<<<<<<<xilinx-separator>>>>>>>>>

Copyright (c) 2001-2002 Enthought, Inc. 2003, SciPy Developers.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This binary distribution of SciPy can also bundle the following software (depending on the build):

Name: OpenBLAS

Files: scipy.libs/libscipy_openblas*.so

Description: bundled as a dynamically linked library

Availability: <https://github.com/OpenMathLib/OpenBLAS/>

License: BSD-3-Clause

Copyright (c) 2011-2014, The OpenBLAS Project

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in

the documentation and/or other materials provided with the distribution.

3. Neither the name of the OpenBLAS project nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Name: LAPACK

Files: `scipy.libs/libscipy_openblas*.so`

Description: bundled in OpenBLAS

Availability: <https://github.com/OpenMathLib/OpenBLAS/>

License: BSD-3-Clause-Open-MPI

Copyright (c) 1992-2013 The University of Tennessee and The University of Tennessee Research Foundation. All rights reserved.

Copyright (c) 2000-2013 The University of California Berkeley. All rights reserved.

Copyright (c) 2006-2013 The University of Colorado Denver. All rights reserved.

\$COPYRIGHT\$

Additional copyrights may follow

\$HEADER\$

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer listed in this license in the documentation and/or other materials provided with the distribution.
- Neither the name of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

The copyright holders provide no reassurances that the source code provided does not infringe any patent, copyright, or any other intellectual property rights of third parties. The copyright holders disclaim any liability to any recipient for claims brought against

recipient by any third party for infringement of that parties intellectual property rights.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Name: GCC runtime library

Files: scipy.libs/libgfortran*.so

Description: dynamically linked to files compiled with gcc

Availability: <https://gcc.gnu.org/git/?p=gcc.git;a=tree;f=libgfortran>

License: GPL-3.0-or-later WITH GCC-exception-3.1

Copyright (C) 2002-2017 Free Software Foundation, Inc.

Libgfortran is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 3, or (at your option) any later version.

Libgfortran is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

Under Section 7 of GPL version 3, you are granted additional permissions described in the GCC Runtime Library Exception, version 3.1, as published by the Free Software Foundation.

You should have received a copy of the GNU General Public License and a copy of the GCC Runtime Library Exception along with this program; see the files COPYING3 and COPYING.RUNTIME respectively. If not, see <http://www.gnu.org/licenses/>.

Full text of license texts referred to above follows (that they are listed below does not necessarily imply the conditions apply to the present binary release):

GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

Copyright (C) 2009 Free Software Foundation, Inc. <http://fsf.org/>

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

This GCC Runtime Library Exception ("Exception") is an additional permission under section 7 of the GNU General Public License, version 3 ("GPLv3"). It applies to a given file (the "Runtime Library") that bears a notice placed by the copyright holder of the file stating that the file is governed by GPLv3 along with this Exception.

When you use GCC to compile a program, GCC may combine portions of certain GCC header files and runtime libraries with the compiled program. The purpose of this Exception is to allow compilation of non-GPL (including proprietary) programs to use, in this way, the header files and runtime libraries covered by this Exception.

0. Definitions.

A file is an "Independent Module" if it either requires the Runtime Library for execution after a Compilation Process, or makes use of an interface provided by the Runtime Library, but is not otherwise based on the Runtime Library.

"GCC" means a version of the GNU Compiler Collection, with or without modifications, governed by version 3 (or a specified later version) of the GNU General Public License (GPL) with the option of using any subsequent versions published by the FSF.

"GPL-compatible Software" is software whose conditions of propagation, modification and use would permit combination with GCC in accord with the license of GCC.

"Target Code" refers to output from any compiler for a real or virtual target processor architecture, in executable form or suitable for input to an assembler, loader, linker and/or execution phase. Notwithstanding that, Target Code does not include data in any format that is used as a compiler intermediate representation, or used for producing a compiler intermediate representation.

The "Compilation Process" transforms code entirely represented in non-intermediate languages designed for human-written code, and/or in Java Virtual Machine byte code, into Target Code. Thus, for example, use of source code generators and preprocessors need not be considered part of the Compilation Process, since the Compilation Process can be understood as starting with the output of the generators or preprocessors.

A Compilation Process is "Eligible" if it is done using GCC, alone or with other GPL-compatible software, or if it is done without using any work based on GCC. For example, using non-GPL-compatible Software to optimize any GCC intermediate representations would not qualify as an Eligible Compilation Process.

1. Grant of Additional Permission.

You have permission to propagate a work of Target Code formed by combining the Runtime Library with Independent Modules, even if such propagation would otherwise violate the terms of GPLv3, provided that all Target Code was generated by Eligible Compilation Processes. You may then convey such a combination under terms of your choice, consistent with the licensing of the Independent Modules.

2. No Weakening of GCC Copyleft.

The availability of this Exception does not imply any general presumption that third-party software is unaffected by the copyleft requirements of the license of GCC.

GNU GENERAL PUBLIC LICENSE Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <<http://fsf.org/>>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the

work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

1. Source Code.

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains

in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.

4. Conveying Verbatim Copies.

You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

- a) The work must carry prominent notices stating that you modified it, and giving a relevant date.
- b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".
- c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This

License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party)

that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in

source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

- a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or
- b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or
- c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or
- d) Limiting the use for publicity purposes of names of licensors or authors of the material; or
- e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or
- f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.

9. Acceptance Not Required for Having Copies.

You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered

work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or

arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.

12. No Surrender of Others' Freedom.

If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General

Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest

to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

```
<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>
```

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

```
<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

Name: libquadmath
Files: scipy.libs/libquadmath*.so
Description: dynamically linked to files compiled with gcc
Availability: <https://gcc.gnu.org/git/?p=gcc.git;a=tree;f=libquadmath>
License: LGPL-2.1-or-later

GCC Quad-Precision Math Library
Copyright (C) 2010-2019 Free Software Foundation, Inc.
Written by Francois-Xavier Coudert <fxcoudert@gcc.gnu.org>

This file is part of the libquadmath library.

[Public]

Libquadmath is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

Libquadmath is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Lesser General Public License for more details.
<https://www.gnu.org/licenses/old-licenses/lgpl-2.1.html>

```
scipy version 1.4.1
<<<<<<<xilinx-separator>>>>>>>
```

Copyright (C) 2003-2005 Peter J. Verveer

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

>>>>>

The following copyright statement applies to all files, excluding exceptions mentioned explicitly below:

Copyright (c) 2011 Kevin Dunn, Surya K, Pauli Virtanen, the Sphinx team
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of the author nor the names of other contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Exceptions:

`_theme/scipy/static/copybutton.js`

Originates from Python; Doc/tools/sphinxext/static/copybutton.js

1. This LICENSE AGREEMENT is between the Python Software Foundation ("PSF"), and the Individual or Organization ("Licensee") accessing and otherwise using this software ("Python") in source or binary form and its associated documentation.
2. Subject to the terms and conditions of this License Agreement, PSF hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python alone or in any derivative version, provided, however, that PSF's License Agreement and PSF's notice of copyright, i.e., "Copyright (c) 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013 Python Software Foundation; All Rights Reserved" are retained in Python alone or in any derivative version prepared by Licensee.
3. In the event Licensee prepares a derivative work that is based on or incorporates Python or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python.
4. PSF is making Python available to Licensee on an "AS IS" basis. PSF MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, PSF MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.
5. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS

A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON,
OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

7. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between PSF and Licensee. This License Agreement does not grant permission to use PSF trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By copying, installing or otherwise using Python, Licensee agrees to be bound by the terms and conditions of this License Agreement.

```
_theme/scipy/static/less/bootstrap/*,  
_theme/scipy/static/img/glyphicons-*,  
_theme/scipy/static/css/spc-bootstrap.css
```

Twitter Bootstrap v2.3.1 (and generated output CSS files)

Copyright 2012 Twitter, Inc
Licensed under the Apache License v2.0
<http://www.apache.org/licenses/LICENSE-2.0>

```
>>>>  
* Copyright (c) 2011-2017 The MathJax Consortium  
*  
* Licensed under the Apache License, Version 2.0 (the "License");  
* you may not use this file except in compliance with the License.  
* You may obtain a copy of the License at  
*  
* http://www.apache.org/licenses/LICENSE-2.0  
*  
* Unless required by applicable law or agreed to in writing, software  
* distributed under the License is distributed on an "AS IS" BASIS,  
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.  
* See the License for the specific language governing permissions and  
* limitations under the License.  
*/
```

```
>>> GC Licenses  
/!* \file  
Copyright (c) 2003, The Regents of the University of California, through  
Lawrence Berkeley National Laboratory (subject to receipt of any required  
approvals from U.S. Dept. of Energy)
```

All rights reserved.

The source code is distributed under BSD license, see the file License.txt
at the top-level directory.
*/

```
>>> boost  
This directory contains numerical data for testing special functions.  
The data is in version control as text files.
```

[Public]

The data is automatically packed into npz files by setup.py.
The npz files should not be checked in version control.

The data in gsl is computed using the GNU scientific library, the data in local is computed using mpmath, and the data in boost is a copy of data distributed with the boost library and comes with the following license:

Boost Software License - Version 1.0 - August 17th, 2003

Permission is hereby granted, free of charge, to any person or organization obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following:

The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

>>> PUblic Domain
Author: Pauli Virtanen <pav@iki.fi>. This script is in the public domain.

>>> PSF
// Copyright 2014 PSF. Licensed under the PYTHON SOFTWARE FOUNDATION LICENSE VERSION 2
// File originates from the cpython source found in Doc/tools/sphinxext/static/copybutton.js

Copyright 2006-2008 Alexander Chemeris
Copyright (C) Tyler Reddy Ross Hemsley Edd Edmondson Nikolai Nowaczyk Joe Pitt-Francis 2015
Copyright (c) 2018 Sylvain Gubian <sylvain.gubian@pmi.com> Yang Xiang <yang.xiang@pmi.com> Author Sylvain Gubian Yang Xiang PMP S.A.
Copyright 1991 Dieter Kraft FHM C C
Copyright (c) 2012 Matthew G. Knepley
Copyright (c) 1992-2015 The University of Tennessee and The University of Tennessee Research Foundation. All rights reserved.
Copyright (C) 2010 David Fong and Michael Saunders
Copyright 2001-2005 Enthought Inc
Copyright 2006, 2011 John Maddock test
Copyright 1996-2008 Rice University. Developed by D.C. Sorensen R.B. Lehoucq C. Yang and K. Maschhoff
Copyright (c) 2006 Systems Optimization Laboratory All rights reserved.
Copyright (c) 1992-2015 The University of Tennessee and The University
Copyright 2002 Pearu Peterson
Copyright 2003-2009 The Regents of the University of California through Lawrence Berkeley National Laboratory
Copyright (c) 2010-2012 Benjamin Peterson
Copyright 2005-2013 John Maddock

Copyright 2012 Twitter Inc
Copyright (c) 2007 Cybozu Labs Inc.
Copyright (c) 2015-2017 Martin Hensel
Copyright (c) 2011 Paul A. Bristow incorporated Boost.Math test
Copyright 1993-2019 The Geometry Center
Copyright (c) 2006-2007 Robert Hetland <hetland@tamu.edu>
(C) Copyright Daryle Walker 2001 2006
Copyright 2015 Jon Lund Steffensen. Based on extlinks by the Sphinx team. license BSD.
Copyright (c) 2012 Paul A. Bristow sinc
(C) 2011 from
Copyright 2000 by Alan Genz.
Copyright (C) 2010 David Fong and Michael Saunders Distributed under the same license as SciPy
copyright to outdated 2008-2016 to 2008
Copyright 2010 Paul A. Bristow zztest
Copyright 2004 David M. Cooke <cookedm@physics.mcmaster.ca>
Copyright 2009-2017 The MathJax Consortium
Copyright (C) 1989-2004 Johannes Braams. All rights reserved.
Copyright 1998-2003 the University of Florida
Copyright 2013 Andrea Gavana Author <andrea.gavana@gmail.com>
Copyright 2012 Jaydeep P. Bardhan
Copyright 2002-2016 The SciPy Developers
Copyright (C) 2003 2007-14 Matteo Frigo
Copyright (C) Tyler Reddy Richard Gowers and Max Linke 2016
Copyright (c) 2012 Google Inc.
Copyright (c) 2011 Paul A. Bristow - filename changes for boost-trunk. test
Copyright 1984-1985, 1987-1989, 1992, 1995-1996, 2000 Stephen L. Moshier
Copyright (c) 2008 Brian M. Clapper <bmc@clapper.org> Gael Varoquaux Author Brian M. Clapper Gael Varoquaux License
Copyright 2016-2017 Felix Lenders
Copyright 2014 License New BSD
Copyright (c) 2010 Thomas P. Robitaille
Copyright (c) 2000-2015 The University of California Berkeley. All rights reserved.
Copyright 2007-2008 Damian Eads
Copyright 2006-2007, 2011 Paul Bristow
Copyright 2009, 2015 Pauli Virtanen <pav@iki.fi> Distributed
Copyright (c) 2005-2015 Michele Simionato All rights reserved.
Copyright 2008 Stefan van der Walt <stefan@mentat.za.net> Pauli Virtanen <pav@iki.fi>
Copyright 2006-2013 Paul A. Bristow
Copyright (c) 2007 John Maddock spherical
Copyright 2013 Kenneth L. Ho
Copyright 2010-2019 Max-Planck-Society
Copyright 2007-2018 the Sphinx team
Copyright 2003-2005 Hubert Holin
Copyright 1994 Xerox Corp
Copyright 2008 Anne M. Archibald
Copyright (c) 2007 - Sbastien Fabbro
Copyright 2002 Gary Strangman
Copyrighted but permission granted to use code in programs. C Buy their book Computation of Special Functions 1996
Copyright (c) 2018 Quansight-Labs All rights reserved.
Copyright (C) 2019 Peter Bell author Martin Reinecke author Peter Bell
Copyright (c) 2001-2011 - Scilab Enterprises Updated by Allan Cornet Sylvestre Ledru.
Copyright 2012 Paul A. Bristow with new tests. test
Copyright 2003, 2007, 2012 Massachusetts Institute of Technology
Copyright (c) 2016 Adrian Veres
Copyright (c) 2014 Mathjax Consortium
License BSD (C) 2011
Copyright 2010, 2013 Pauli Virtanen
Copyright 2014 Eric W. Moore
Copyright (C) 1988 by Theo Jurriens

Copyright 2012 Benjamin Sobotta
Copyright 2011 Paul A. Bristow To incorporate into Boost.Math test
Copyright 2011 Paul A. Bristow test
Copyright 2011-2012 Author Jake Vanderplas -- <vanderplas@astro.washington.edu> License BSD
Copyright 2008 Gautam Sewani test
Copyright (c) 2007 John Travers <jtravs@gmail.com>
Copyright 2002-2005 Jean-Sebastien Roy (js@jeannot.org)
Copyright J.S. Roy (js@jeannot.org) 2002-2005
Copyright (c) 2010 - Jordi Gutierrez Hermoso
Copyright 2006 Johan Rade test
Copyright (c) 2003 The Regents of the University of California through
Copyright (C) 2009 Pauli Virtanen Distributed under the same license as Scipy.
Copyright 1993-2019 C.B. Barber
Copyright Yosef Meller 2009
Copyright (c) 2006 Johan Rade asinh
Copyright (C) 2013 Kenneth L. Ho Redistribution and use in source and binary forms with or without modification are permitted provided that the following conditions are met
Copyright (c) 2006 Johan Rade
Copyright 2011 Paul A. Bristow comments test
Copyright 1999, 2002, 2005 Travis Oliphant
Copyright 2001-2013 Python Software Foundation
Copyright Gautam Sewani 2008
Copyright 2011 Kevin Dunn Surya K Pauli Virtanen the Sphinx team
copyright 2014 by P.-G. Martinsson V. Rokhlin Y. Shkolnisky and M. Tygert.
Copyright 2006 Xiaogang Zhang
Copyright (c) 2014 Janani Padmanabhan All rights reserved.
Copyright 2006 John Maddock ellint
Copyright (c) 2006-2015 The University of Colorado Denver. All rights reserved.
Copyright 1984-1985, 1987-1989, 1991-1993 Stephen L. Moshier Direct inquiries to
Copyright Daryle Walker Hubert Holin John Maddock 2006 - 2007
Copyright (c) 2007 John Maddock beta
Copyright (C) 2019 Peter Bell
Copyright (C) 1990-2004 by Johannes Braams texniek at braams.cistron.nl Kersengaarde
Copyright 2007 John Maddock bessell
Copyright 2009, 2015 Pauli Virtanen <pav@iki.fi>
Copyright Thijs van den Berg 2008
(C) Copyright Bruno Lalande 2008
Copyright 2002 H Lohninger TU Wein test
Copyright 2014 Eric Moore
Copyright 2003-2005 Peter J. Verveer
Copyright 2009 Motorola Inc
Copyright (c) 2006 John Maddock erf
Copyright (c) 2007 John Maddock sph
Copyright ohn Maddock 2012
Copyright (c) 2018 Sylvain Gubian <sylvain.gubian@pmi.com> Yang Xiang <yang.xiang@pmi.com> Author Sylvain Gubian PMP S.A.
Copyright 2014 PSF
Copyright (C) Tyler Reddy 2016
Copyright Christopher Kormanyos 2013

seaborn version 0.13.2

<<<<<<<<xilinx-separator>>>>>>>>>

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of the project nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

```
send2trash version 1.8.0
<<<<<<<xilinx-separator>>>>>>>>
```

Copyright (c) 2017, Virgil Dupras
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of Hardcoded Software Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

send2trash version 1.8.3

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of Hardcoded Software Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

```
setuptools version 41.2.0
<<<<<<<xilinx-separator>>>>>>>
```

Vivado ML Lab Solutions Third Party Licensing Guide 2025.10.24 786

[Public]

2.0, and the BSD License. See the LICENSE file in the root of this repository
for complete details.

Copyright 2005-2010 ActiveState Software Inc
Copyright 2010-2015 Benjamin Peterson
Copyright 2016 Jason R Coombs <jaraco@jaraco.com>
Copyright 2013 Eddy Petrior
Copyright 2003-2018 Paul T. McGuire

```
sevenzip version 4.65
<<<<<<<xilinx-separator>>>>>>>
7-Zip Copyright (C) 1999-2009 Igor Pavlov.
```

Licenses for files are:

- 1) CPP/7zip/Compress/Rar files: GNU LGPL + unRAR restriction
2) All other files: GNU LGPL

The GNU LGPL + unRAR restriction means that you must follow both GNU LGPL rules and unRAR restriction rules.

GNU LGPL information

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

unRAR restriction

The decompression engine for RAR archives was developed using source code of unRAR program.
All copyrights to original unRAR code are owned by Alexander Roshal.

The license for original unRAR code has the following restriction:

The unRAR sources cannot be used to re-create the RAR compression algorithm, which is proprietary. Distribution of modified unRAR sources in separate form or as a part of other software is permitted, provided that it is clearly stated in the documentation and source comments that the code may not be used to develop a RAR (WinRAR) compatible archiver.

0.9.0 thru 1.2	1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI yes
1.6	1.5.2	2000	CNRI no
2.0	1.6	2000	BeOpen.com no
1.6.1	1.6	2001	CNRI yes (2)
2.1	2.0+1.6.1	2001	PSF no
2.0.1	2.0+1.6.1	2001	PSF yes
2.1.1	2.1+2.0.1	2001	PSF yes
2.2	2.1.1	2001	PSF yes
2.1.2	2.1.1	2002	PSF yes
2.1.3	2.1.2	2002	PSF yes
2.2.1	2.2	2002	PSF yes
2.2.2	2.2.1	2002	PSF yes
2.2.3	2.2.2	2003	PSF yes
2.3	2.2.2	2002-2003	PSF yes
2.3.1	2.3	2002-2003	PSF yes
2.3.2	2.3.1	2002-2003	PSF yes
2.3.3	2.3.2	2002-2003	PSF yes
2.3.4	2.3.3	2004	PSF yes
2.3.5	2.3.4	2005	PSF yes
2.4	2.3	2004	PSF yes
2.4.1	2.4	2005	PSF yes
2.4.2	2.4.1	2005	PSF yes
2.4.3	2.4.2	2006	PSF yes
2.4.4	2.4.3	2006	PSF yes
2.5	2.4	2006	PSF yes
2.5.1	2.5	2007	PSF yes
2.5.2	2.5.1	2008	PSF yes
2.5.3	2.5.2	2008	PSF yes
2.6	2.5	2008	PSF yes
2.6.1	2.6	2008	PSF yes
2.6.2	2.6.1	2009	PSF yes
2.6.3	2.6.2	2009	PSF yes
2.6.4	2.6.3	2009	PSF yes
2.6.5	2.6.4	2010	PSF yes
3.0	2.6	2008	PSF yes
3.0.1	3.0	2009	PSF yes
3.1	3.0.1	2009	PSF yes
3.1.1	3.1	2009	PSF yes
3.1.2	3.1.1	2010	PSF yes
3.1.3	3.1.2	2010	PSF yes
3.1.4	3.1.3	2011	PSF yes
3.2	3.1	2011	PSF yes
3.2.1	3.2	2011	PSF yes
3.2.2	3.2.1	2011	PSF yes
3.2.3	3.2.2	2012	PSF yes
3.3.0	3.2	2012	PSF yes

Footnotes:

(1) GPL-compatible doesn't mean that we're distributing Python under the GPL. All Python licenses, unlike the GPL, let you distribute a modified version without making your changes open source. The GPL-compatible licenses make it possible to combine Python with other software that is released under the GPL; the others don't.

(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to

CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

B. TERMS AND CONDITIONS FOR ACCESSING OR OTHERWISE USING PYTHON

PYTHON SOFTWARE FOUNDATION LICENSE VERSION 2

1. This LICENSE AGREEMENT is between the Python Software Foundation ("PSF"), and the Individual or Organization ("Licensee") accessing and otherwise using this software ("Python") in source or binary form and its associated documentation.
2. Subject to the terms and conditions of this License Agreement, PSF hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python alone or in any derivative version, provided, however, that PSF's License Agreement and PSF's notice of copyright, i.e., "Copyright (c) 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012 Python Software Foundation; All Rights Reserved" are retained in Python alone or in any derivative version prepared by Licensee.
3. In the event Licensee prepares a derivative work that is based on or incorporates Python or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python.
4. PSF is making Python available to Licensee on an "AS IS" basis. PSF MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, PSF MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.
5. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.
6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.
7. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between PSF and Licensee. This License Agreement does not grant permission to use PSF trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.
8. By copying, installing or otherwise using Python, Licensee agrees to be bound by the terms and conditions of this License Agreement.

BEOPEN.COM LICENSE AGREEMENT FOR PYTHON 2.0

BEOPEN PYTHON OPEN SOURCE LICENSE AGREEMENT VERSION 1

1. This LICENSE AGREEMENT is between BeOpen.com ("BeOpen"), having an office at 160 Saratoga Avenue, Santa Clara, CA 95051, and the Individual or Organization ("Licensee") accessing and otherwise using this software in source or binary form and its associated documentation ("the Software").
2. Subject to the terms and conditions of this BeOpen Python License Agreement, BeOpen hereby grants Licensee a non-exclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use the Software alone or in any derivative version, provided, however, that the BeOpen Python License is retained in the Software, alone or in any derivative version prepared by Licensee.
3. BeOpen is making the Software available to Licensee on an "AS IS" basis. BEOPEN MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, BEOPEN MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.
4. BEOPEN SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF THE SOFTWARE FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF USING, MODIFYING OR DISTRIBUTING THE SOFTWARE, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.
5. This License Agreement will automatically terminate upon a material breach of its terms and conditions.
6. This License Agreement shall be governed by and interpreted in all respects by the law of the State of California, excluding conflict of law provisions. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between BeOpen and Licensee. This License Agreement does not grant permission to use BeOpen trademarks or trade names in a trademark sense to endorse or promote products or services of Licensee, or any third party. As an exception, the "BeOpen Python" logos available at <http://www.pythonlabs.com/logos.html> may be used according to the permissions granted on that web page.
7. By copying, installing or otherwise using the software, Licensee agrees to be bound by the terms and conditions of this License Agreement.

CNRI LICENSE AGREEMENT FOR PYTHON 1.6.1

1. This LICENSE AGREEMENT is between the Corporation for National Research Initiatives, having an office at 1895 Preston White Drive, Reston, VA 20191 ("CNRI"), and the Individual or Organization ("Licensee") accessing and otherwise using Python 1.6.1 software in

source or binary form and its associated documentation.

2. Subject to the terms and conditions of this License Agreement, CNRI hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python 1.6.1 alone or in any derivative version, provided, however, that CNRI's License Agreement and CNRI's notice of copyright, i.e., "Copyright (c) 1995-2001 Corporation for National Research Initiatives; All Rights Reserved" are retained in Python 1.6.1 alone or in any derivative version prepared by Licensee. Alternately, in lieu of CNRI's License Agreement, Licensee may substitute the following text (omitting the quotes): "Python 1.6.1 is made available subject to the terms and conditions in CNRI's License Agreement. This Agreement together with Python 1.6.1 may be located on the Internet using the following unique, persistent identifier (known as a handle): 1895.22/1013. This Agreement may also be obtained from a proxy server on the Internet using the following URL: <http://hdl.handle.net/1895.22/1013>".

3. In the event Licensee prepares a derivative work that is based on or incorporates Python 1.6.1 or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python 1.6.1.

4. CNRI is making Python 1.6.1 available to Licensee on an "AS IS" basis. CNRI MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, CNRI MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON 1.6.1 WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

5. CNRI SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON 1.6.1 FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON 1.6.1, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

7. This License Agreement shall be governed by the federal intellectual property law of the United States, including without limitation the federal copyright law, and, to the extent such U.S. federal law does not apply, by the law of the Commonwealth of Virginia, excluding Virginia's conflict of law provisions. Notwithstanding the foregoing, with regard to derivative works based on Python 1.6.1 that incorporate non-separable material that was previously distributed under the GNU General Public License (GPL), the law of the Commonwealth of Virginia shall govern this License Agreement only as to issues arising under or with respect to Paragraphs 4, 5, and 7 of this License Agreement. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between CNRI and Licensee. This License Agreement does not grant permission to use CNRI trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By clicking on the "ACCEPT" button where indicated, or by copying,

[Public]

installing or otherwise using Python 1.6.1, Licensee agrees to be bound by the terms and conditions of this License Agreement.

ACCEPT

CWI LICENSE AGREEMENT FOR PYTHON 0.9.0 THROUGH 1.2

Copyright (c) 1991 - 1995, Stichting Mathematisch Centrum Amsterdam,
The Netherlands. All rights reserved.

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Stichting Mathematisch Centrum or CWI not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

STICHTING MATHEMATISCH CENTRUM DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL STICHTING MATHEMATISCH CENTRUM BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

```
simplejson version 1.1.1
<<<<<<<xilinx-separator>>>>>>>
```

Apache License
Version 2.0, January 2004
<http://www.apache.org/licenses/>

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their

Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

- (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and
- (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
- (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
- (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.
7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.
8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.
9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Copyright statement to Your modifications and

simplejson version 3.17
<<<<<<<<<xilinx-separator>>>>>>>>>>>>>

simplejson is dual-licensed software. It is available under the terms of the MIT license, or the Academic Free License version 2.1. The full text of each license agreement is included below. This code is also licensed to the Python Software Foundation (PSF) under a Contributor Agreement.

MIT License
=====

Copyright (c) 2006 Bob Ippolito

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Academic Free License v. 2.1
=====

Copyright (c) 2006 Bob Ippolito. All rights reserved.

This Academic Free License (the "License") applies to any original work of authorship (the "Original Work") whose owner (the "Licensor") has placed the following notice immediately following the copyright notice for the Original Work:

Licensed under the Academic Free License version 2.1

1) Grant of Copyright License. Licensor hereby grants You a world-wide, royalty-free, non-exclusive, perpetual, sublicenseable license to do the following:

- a) to reproduce the Original Work in copies;
- b) to prepare derivative works ("Derivative Works") based upon the Original Work;
- c) to distribute copies of the Original Work and Derivative Works to the public;
- d) to perform the Original Work publicly; and
- e) to display the Original Work publicly.

2) Grant of Patent License. Licensor hereby grants You a world-wide, royalty-free, non-exclusive, perpetual, sublicenseable license, under patent claims owned or controlled by the Licensor that are embodied in the Original Work as furnished by the Licensor, to make, use, sell and offer for sale the Original Work and Derivative Works.

3) Grant of Source Code License. The term "Source Code" means the preferred form of the Original Work for making modifications to it and all available documentation describing how to modify the Original Work. Licensor hereby agrees to provide a machine-readable copy of the Source Code of the Original Work along with each copy of the Original Work that Licensor distributes. Licensor reserves the right to satisfy this obligation by placing a machine-readable copy of the Source Code in an information repository reasonably calculated to permit inexpensive and convenient access by You for as long as Licensor continues to distribute the Original Work, and by publishing the address of that information repository in a notice immediately following the copyright notice that applies to the Original Work.

4) Exclusions From License Grant. Neither the names of Licensor, nor the names of any contributors to the Original Work, nor any of their trademarks or service marks, may be used to endorse or promote products derived from this Original Work without express prior written permission of the Licensor. Nothing in this License shall be deemed to grant any rights to trademarks, copyrights, patents, trade secrets or any other intellectual property of Licensor except as expressly stated herein. No patent license is granted to make, use, sell or offer to sell embodiments of any patent claims other than the licensed claims defined in Section 2. No right is granted to the trademarks of Licensor even if such marks are included in the Original Work. Nothing in this License shall be interpreted to prohibit Licensor from licensing under different terms from this License any Original Work that Licensor otherwise would have a right to license.

5) This section intentionally omitted.

6) Attribution Rights. You must retain, in the Source Code of any Derivative Works that You create, all copyright, patent or trademark notices from the Source Code of the Original Work, as well as any notices of licensing and any descriptive text identified therein as an "Attribution Notice." You must cause the Source Code for any Derivative Works that You create to carry a prominent Attribution Notice reasonably calculated to inform recipients that You have modified the Original Work.

7) Warranty of Provenance and Disclaimer of Warranty. Licensor warrants that the copyright in and to the Original Work and the patent rights granted herein by Licensor are owned by the Licensor or are sublicensed to You under the terms of this License with the permission of the contributor(s) of those copyrights and patent rights. Except as expressly stated in the immediately preceding sentence, the Original Work is provided under this License on an "AS IS" BASIS and WITHOUT WARRANTY, either express or implied, including, without limitation, the warranties of NON-INFRINGEMENT, MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY OF THE ORIGINAL WORK IS WITH YOU. This DISCLAIMER OF WARRANTY constitutes an essential part of this License. No license to Original Work is granted hereunder except under this disclaimer.

8) Limitation of Liability. Under no circumstances and under no legal theory, whether in tort (including negligence), contract, or otherwise, shall the Licensor be liable to any person for any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or the use of the Original Work including, without limitation, damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses. This limitation of liability shall not apply to liability for death or personal injury resulting from Licensor's negligence to the extent applicable law prohibits such limitation. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion and limitation may not apply to You.

9) Acceptance and Termination. If You distribute copies of the Original Work or a Derivative Work, You must make a reasonable effort under the circumstances to obtain the express assent of recipients to the terms of this License. Nothing else but this License (or another written agreement between Licensor and You) grants You permission to create Derivative Works based upon the Original Work or to exercise any of the rights granted in Section 1 herein, and any attempt to do so except under the terms of this License (or another

10) Termination for Patent Action. This License shall terminate automatically and You may no longer exercise any of the rights granted to You by this License as of the date You commence an action, including a cross-claim or counterclaim, against Licensor or any licensee alleging that the Original Work infringes a patent. This termination provision shall not apply for an action alleging patent infringement by combinations of the Original Work with other software or hardware.

11) Jurisdiction, Venue and Governing Law. Any action or suit relating to this License may be brought only in the courts of a jurisdiction wherein the Licensor resides or in which Licensor conducts its primary business, and under the laws of that jurisdiction excluding its conflict-of-law provisions. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any use of the Original Work outside the scope of this License or after its termination shall be subject to the requirements and penalties of the U.S. Copyright Act, 17 U.S.C. Â§ 101 et seq., the equivalent laws of other countries, and international treaty. This section shall survive the termination of this License.

12) **Attorneys Fees.** In any action to enforce the terms of this License or seeking damages relating thereto, the prevailing party shall be entitled to recover its costs and expenses, including, without limitation, reasonable attorneys' fees and costs incurred in connection with such action, including any appeal of such action. This section shall survive the termination of this License.

13) Miscellaneous. This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable.

14) Definition of "You" in This License. "You" throughout this License, whether in upper or lower case, means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, "You" includes any entity that controls, is controlled by, or is under common control with you. For purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

15) Right to Use. You may use the Original Work in all ways not otherwise restricted or conditioned by this License or by law, and Licensor promises not to interfere with or be responsible for such uses by You.

This license is Copyright (C) 2003-2004 Lawrence E. Rosen. All rights reserved. Permission is hereby granted to copy and distribute this license without modification. This license may not be modified without the express written permission of its copyright owner.
six version 1.15.0

<<<<<<<xilinx-separator>>>>>>>

Copyright (c) 2010-2020 Benjamin Peterson

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright (c) 2010-2020 Benjamin Peterson

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright 2010-2020 Benjamin Peterson

```
six version 1.17.0
<<<<<<<xilinx-separator>>>>>>>
```

Copyright (c) 2010-2020 Benjamin Peterson

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright 2010-2020 Benjamin Peterson

slf4j-api version 1.7.32

<<<<<<<<<xilinx-separator>>>>>>>>>

>>> mit license

The text of the MIT license, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

Copyright 2004-2016 QOS.ch

Copyright (C) 2015 Google Inc. All rights reserved.

slf4j-api version 2.0.9

<<<<<<<<<xilinx-separator>>>>>>>>>

>>> mit license

The text of the MIT license, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

Copyright 2004-2016 QOS.ch

Copyright (C) 2015 Google Inc. All rights reserved.

smmap version 4.0.0

<<<<<<<<<xilinx-separator>>>>>>>>>

Copyright (C) 2010, 2011 Sebastian Thiel and contributors

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of the async project nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,

[Public]

SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

```
sniffio version 1.3.1
<<<<<<<xilinx-separator>>>>>>>
```

This software is made available under the terms of *either* of the licenses found in LICENSE.APACHE2 or LICENSE.MIT. Contributions to are made under the terms of *both* these licenses.

```
soupsieve version 2.6
<<<<<<<xilinx-separator>>>>>>>
```

MIT License

Copyright (c) 2018 - 2024 Isaac Muse <isaacmuse@gmail.com>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

sphinx version 7.1.2

<<<<<<<xilinx-separator>>>>>>>

License for Sphinx

=====

Unless otherwise indicated, all code in the Sphinx project is licenced under the two clause BSD licence below.

Copyright (c) 2007-2025 by the Sphinx team (see AUTHORS file).

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The MIT License (MIT)

Copyright (c) 2007-2025 by the Sphinx team (see AUTHORS file).

All rights reserved.

sphinx version 8.1.3

<<<<<<<xilinx-separator>>>>>>>

License for Sphinx
=====

Unless otherwise indicated, all code in the Sphinx project is licenced under the two clause BSD licence below.

Copyright (c) 2007-2025 by the Sphinx team (see AUTHORS file).
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
The MIT License (MIT)

Copyright (c) 2007-2025 by the Sphinx team (see AUTHORS file).
All rights reserved.

sphinx_rtd_theme version 1.3.0
<<<<<<<<<xilinx-separator>>>>>>>>>

The MIT License (MIT)

Copyright (c) 2013-2018 Dave Snider, Read the Docs, Inc. & contributors

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

$\wedge M$

```
sphinx_rtd_theme version 3.0.2
<<<<<<<xilinx-separator>>>>>>>
```

Copyright (c) 2013-2018 Dave Snider, Read the Docs, Inc. & contributors

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

^{M}

```
sphinxcontrib-applehelp version 1.0.4
<<<<<<<xilinx-separator>>>>>>>
```

License for sphinxcontrib-applehelp

Copyright (c) 2007-2019 by the Sphinx team
(see <https://github.com/sphinx-doc/sphinx/blob/master/AUTHORS>).
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.


```
sphinxcontrib-devhelp version 1.0.2
<<<<<<<xilinx-separator>>>>>>>
```

License for sphinxcontrib-devhelp

Copyright (c) 2007-2019 by the Sphinx team
(see <https://github.com/sphinx-doc/sphinx/blob/master/AUTHORS>).
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright 2019 ORGANIZATION
Copyright 2007-2019 the Sphinx team

```
sphinxcontrib-devhelp version 2.0.0
<<<<<<<xilinx-separator>>>>>>>
```

License for sphinxcontrib-devhelp

Copyright (c) 2007-2019 by the Sphinx team
(see <https://github.com/sphinx-doc/sphinx/blob/master/AUTHORS>).
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Copyright 2019 ORGANIZATION
Copyright 2007-2019 the Sphinx team
Copyright Sphinx contributors
Copyright JS Foundation and other contributors
Copyright OpenJS Foundation and other contributors

```
sphinxcontrib-htmlhelp version 2.1.0
<<<<<<<xilinx-separator>>>>>>>
```

License for sphinxcontrib-htmlhelp

Copyright (c) 2007-2019 by the Sphinx team
(see <https://github.com/sphinx-doc/sphinx/blob/master/AUTHORS>).
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright 2019 ORGANIZATION
Copyright 2007-2019 the Sphinx team
Copyright Sphinx contributors
Copyright JS Foundation and other contributors
Copyright OpenJS Foundation and other contributors

```
sphinxcontrib-jquery version 4.1
<<<<<<<xilinx-separator>>>>>>>
```

BSD Zero Clause Licence

Copyright 2022, Adam Turner

Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

```
sphinxcontrib-jsmath version 1.0.1
<<<<<<<xilinx-separator>>>>>>>>
```

License for sphinxcontrib-jsmath

Copyright (c) 2007-2019 by the Sphinx team
(see <https://github.com/sphinx-doc/sphinx/blob/master/AUTHORS>).
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright 2007-2019 the Sphinx team

sphinxcontrib-qthelp version 1.0.3

Copyright (c) 2007-2019 by the Sphinx team
(see <https://github.com/sphinx-doc/sphinx/blob/master/AUTHORS>).
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright 2007-2019 the Sphinx team

License for sphinxcontrib-serializinghtml

Copyright (c) 2007-2019 by the Sphinx team
(see <https://github.com/sphinx-doc/sphinx/blob/master/AUTHORS>).
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the

documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright 2019 ORGANIZATION
Copyright 2007-2019 the Sphinx team

```
sphinxcontrib_qthelp version 2.0.0
<<<<<<<xilinx-separator>>>>>>>
```

License for sphinxcontrib-qthelp
=====

Copyright (c) 2007-2019 by the Sphinx team
(see <https://github.com/sphinx-doc/sphinx/blob/master/AUTHORS>).
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 2007-2019 by the Sphinx team

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL STATMODELS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

swingx version 1.6.2

<<<<<<<<<xilinx-separator>>>>>>>>>

* Copyright 2005-2006 Sun Microsystems, Inc., 4150 Network Circle,

* Santa Clara, California 95054, U.S.A. All rights reserved.

*

* This library is free software; you can redistribute it and/or

* modify it under the terms of the GNU Lesser General Public

* License as published by the Free Software Foundation; either

* version 2.1 of the License, or (at your option) any later version.

*

* This library is distributed in the hope that it will be useful,

* but WITHOUT ANY WARRANTY; without even the implied warranty of

* MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU

* Lesser General Public License for more details.

*

* You should have received a copy of the GNU Lesser General Public

* License along with this library; if not, write to the Free Software

* Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Copyright 1991, 1999 Free Software Foundation Inc

Copyright 2004-2010 Sun Microsystems Inc

Copyright 2006 Romain Guy <romain.guy@mac.com>

Copyright (C) 1991, 1999 Free Software Foundation, Inc.

systemc version 2.3.1

<<<<<<<<<xilinx-separator>>>>>>>>>

/*****

The following code is derived, directly or indirectly, from the SystemC source code Copyright (c) 1996-2014 by all Contributors.

All Rights reserved.

The contents of this file are subject to the restrictions and limitations set forth in the SystemC Open Source License (the "License");

You may not use this file except in compliance with such restrictions and limitations. You may obtain instructions on how to receive a copy of the License at <http://www.accellera.org/>. Software distributed by Contributors under the License is distributed on an "AS IS" basis, WITHOUT WARRANTY OF ANY KIND, either express or implied. See the License for the specific language governing rights and limitations under the License.

*****/

Accellera Systems Initiative

The purpose of the following license agreement (the "Agreement") is to encourage interoperability and development of a C++ modeling language known as "SystemC" for system simulation and design (the "Purpose"). The SystemC software and other items licensed hereunder are licensed, without fee of any kind, for use pursuant to the terms and conditions set forth in this Agreement.

License Agreement

THE CONTRIBUTORS ARE WILLING TO LICENSE THEIR RESPECTIVE CONTRIBUTIONS TO YOU ONLY ON THE CONDITION THAT YOU ACCEPT ALL OF THE TERMS OF THIS LICENSE AGREEMENT. IF YOU DO NOT AGREE TO ALL OF THE TERMS OF THIS LICENSE AGREEMENT, THEN NO RIGHTS ARE GRANTED TO YOU HEREUNDER TO USE ANY CONTRIBUTIONS. NOTWITHSTANDING ANYTHING TO CONTRARY, ANY USE, REPRODUCTION OR DISTRIBUTION OF ANY CONTRIBUTION CONSTITUTES YOUR ACCEPTANCE OF THIS AGREEMENT.

1. Definitions

1.1 "Agreement" means this contract.

1.2 "Accellera" means Accellera Systems Initiative, a California nonprofit mutual benefit corporation.

1.3 "Accellera Documentation" means the SystemC language reference manual and any other materials assigned to Accellera pursuant to the Copyright Agreement.

1.4 "Accellera Release" means a Contribution or combination of Contributions which is developed or created through the Accellera working group process, and the final work approved for release by a Accellera working group, approved for release by the Accellera steering group and approved for release by the board of directors of Accellera. Examples of Accellera Releases include Accellera libraries and Accellera specifications. Accellera Documentation shall be deemed to be included in the definition of Accellera Release.

1.5 "Code Contribution" means any Contribution in the form of Source Code.

1.6 "Contribution" means any work of authorship that is deposited or contributed in accordance with Section 3 in furtherance of the Purpose including, without limitation, libraries, programs, specifications and User Documentation and Modifications. Without limiting the generality of the foregoing, a list of all Contributions which were deposited or contributed on or before July 13, 2006 is set forth on Exhibit A attached hereto and incorporated herein by reference, all of which are considered Contributions pursuant to

this Agreement. A list of all Contributions is available upon written request to Accellera and can also be found on the Website. For purposes of clarification, all contributions licensed pursuant to that certain SystemC Open Source License Agreement (Software Download and Use License Agreement Version 2.4) shall constitute, and be treated as, Contributions pursuant to this Agreement.

1.7 "Copyright Agreement" means any LRM and Copyright Contribution Agreement entered into between Accellera and the signatory thereto at any time prior to or after the date hereof.

1.8 "Contribution Questionnaire" means the questionnaire attached hereto as Exhibit C.

1.9 "Contributor" means any person or entity that makes a Contribution pursuant to Section 3. For purposes of clarification, any person or entity depositing or contributing, as part or all of a Contribution, a Contribution which has previously been so deposited or

contributed is not the Contributor of such re-deposited Contribution for the purposes of this Agreement. A list of all Contributors is available upon written request to Accellera and can also be found on the Website.

1.10 “Contributor's Necessary Patent Claims” means those claims of all patents owned or licensable by Contributor throughout the world that: (1) Contributor has the right to license (within the scope set forth herein) without the obligation to pay royalties or other consideration to third parties; and (2) are necessarily and directly infringed solely by the portion of a computer program that either implements, or is compiled from, either an unmodified Contribution or an Accellera Release. For clarity, Contributor's Necessary Patent Claims shall not include any claim directed towards a data structure, method, algorithm, process, technique, circuit representation, or circuit implementation that is not completely and entirely described either in such Contributor's Contribution or in an Accellera Release. Further, a Contributor's Necessary Patent Claims shall not include any claim based upon the combination of any Contribution or an Accellera Release with other works of authorship, to the extent that the Contributor's Necessary Patent Claims are infringed as a result of such combination.

1.11 “Copyright Rights” means worldwide statutory and common law rights associated solely with works of authorship including copyrights, copyright applications, copyright registrations, and “moral rights”. For purposes of clarification, patents are not included in Copyright Rights.

1.12 “Derivative” or “Derivative work” means a work based upon one or more preexisting works, such as a translation, condensation, or any other form in which a work may be recast, transformed, or adapted. A work consisting of editorial revisions, annotations, elaborations, or other modifications, which, as a whole, represent an original work of authorship, is a “derivative work”.

1.13 “Distribute” means making a Distribution.

1.14 “Distribution” means any distribution, sublicensing or other transfer of a Contribution to any third party.

1.15 “Documentation” means, collectively, all User Documentation and Accellera Documentation.

1.16 “Marks” means, collectively, the registered and unregistered marks and logos that Accellera has licensed or otherwise authorized Recipient to use. All marks and logos are listed on Exhibit D, which list may be amended from time to time by Accellera to add or delete any marks or logos.

1.17 “Modification” means any additions or deletions to any Contribution.

1.18 “Recipient” means any person or entity which receives any Contribution under this Agreement. For legal entities, “Recipient” includes any entity that controls, is controlled by, or is under common control with

Recipient. For purposes of this Section 1.18, “control” means beneficial ownership of fifty percent (50%) or more of the outstanding shares or similar interest of such entity entitled to vote for election of the board of directors or similar managing authority.

1.19 “Source Code” means human readable text in an electronic form suitable for modification that describe the functions and data structures, including C, C++, and other language modules, plus any associated interface definition files, scripts used to control compilation and installation of a computer program, or a list of source code differential comparisons.

1.20 “User Documentation” means all user guides, user manuals and other similar materials related to any Contribution or an Accellera Release.

1.21 “Website” means Accellera's internet website located at <http://www.accellera.org>.

2. GRANT OF RIGHTS

2.1 Subject to the terms of this Agreement, each Contributor hereby grants to each Recipient a non-exclusive, worldwide, royalty-free license under such Contributor's Copyright Rights to do the following:

(a) Use, reproduce, prepare Derivative works of, publicly display, publicly perform and Distribute any Contributions of such Contributor and Derivative works thereof; and

- (b) Use the know-how, information and knowledge embedded in the Contribution, without any obligation to keep the foregoing confidential so long as the Recipient does not otherwise violate this Agreement.
- 2.2 Accellera hereby grants to each Recipient a non-exclusive, worldwide, royalty- free license under Accellera's Copyright Rights to use, reproduce, prepare Derivative works of, publicly display, publicly perform and distribute the Accellera Documentation and any Derivative works thereof, subject to the terms and conditions of this Agreement.
- 2.3 Subject to the terms of this Agreement, each Contributor hereby grants to each Recipient, a worldwide, royalty-free, non-exclusive license under such Contributor's Necessary Patent Claims to make, have made, use, sell, offer for sale, or import: (a) such Contributor's Contributions; (b) those portions of a computer program that either implements, or is compiled from, the Contributor's unmodified Contribution; and (c) those portions of a computer program that implement, or are compiled from, an Accellera Release.
- 2.4 Each Contributor represents that, to its knowledge, it has sufficient rights in and to each of its Contributions to grant the licenses set forth in Sections 2.1 and 2.3. Accellera represents that, to its knowledge, it has sufficient rights in the Accellera Documentation to grant the license set forth in Section 2.2.
- 2.5 Except as expressly stated in Sections 2.1, 2.2 and 2.3, Recipient receives no rights or licenses to the intellectual property of any Contributor or Accellera under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in and to any Contribution not expressly granted under this Agreement are reserved.
- 2.6 Except as specifically set forth in any Copyright Agreement, Contributor shall ensure that transfers or assignments of all or any part of its right, title, and interest in and to any Contributions contributed or deposited by Contributor hereunder, including all Copyright Rights and patent rights embodied therein, shall be subject to the rights expressly granted in this Agreement including, without limitation, the licenses granted in Sections 2.1 and 2.3. Recipient shall not remove or alter any proprietary notices contained in the Contributions licensed to Recipient hereunder and shall reproduce and include such notices on any copies of the Contributions made by Recipient in any media.
- 2.7 License to Marks.
- (a) Accellera shall retain all right, title and interest in and to the Marks worldwide, subject to the limited license granted to Recipient in this Section 2.7. Accellera hereby grants Recipient a non- exclusive, royalty-free, limited license to use the Marks solely in connection with its exercise of the rights granted pursuant to this Agreement and to indicate that the products being marketed by Recipient are compatible with, and meet the standards of, Accellera Releases. All uses of the Marks shall be in accordance with Accellera's trademark usage policy set forth in Exhibit D.
- (b) Recipient shall assist Accellera to the extent reasonably necessary to protect and maintain the Marks worldwide, including, but not limited to, giving prompt notice to Accellera of any known or potential infringement of the Marks, and cooperating with Accellera in preparing and executing any documents necessary to register the Marks, or as may be required by the laws or rules of any country or jurisdiction. In its sole discretion, Accellera may commence, prosecute or defend any action or claim concerning the Marks. Accellera shall have the right to control any such litigation, and Recipient shall fully cooperate with Accellera in any such litigation. Accellera shall reimburse Recipient for the reasonable costs associated with providing such assistance, except to the extent that such costs result from Recipient's breach of this Section 2.7. Recipient shall not commence any action regarding the Marks without Accellera's prior written consent.
- (c) All goodwill with respect to the Marks shall accrue for the sole benefit of Accellera. Recipient shall maintain the quality of any products, associated packaging, collateral and marketing materials on which it uses any of the Marks in a manner consistent with all terms, conditions and requirements set forth in this Section 2.7 and at a level that meets or exceeds Recipient's overall reputation for quality and that is at least commensurate with industry standards.
- 2.8 RECIPIENT UNDERSTANDS THAT ALTHOUGH EACH CONTRIBUTOR AND ACCELLERA GRANTS THE LICENSES SET FORTH HEREIN, NO ASSURANCES ARE PROVIDED BY ANY CONTRIBUTOR OR ACCELLERA THAT ANY ACCELLERA RELEASE OR ANY CONTRIBUTION, EITHER ALONE OR IN COMBINATION WITH ANY OTHER CONTRIBUTION, DOES NOT INFRINGE THE PATENT OR OTHER INTELLECTUAL PROPERTY RIGHTS OF ANY OTHER ENTITY. MOREOVER, NO ASSURANCES ARE MADE THAT ANY CONTRIBUTION OF ONE CONTRIBUTOR DOES NOT INFRINGE THE INTELLECTUAL PROPERTY RIGHTS OF ANOTHER CONTRIBUTOR.

EACH CONTRIBUTOR AND ACCELLERA DISCLAIM ANY LIABILITY TO RECIPIENT FOR CLAIMS BROUGHT BY ANY OTHER ENTITY BASED ON INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS OR OTHERWISE. In addition, as a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute a computer program, then it is Recipient's responsibility to acquire that license before Distributing such computer program.

3. DESCRIPTION AND DEPOSIT OF CONTRIBUTIONS

3.1 To the extent Recipient wishes to become a Contributor by making a Contribution, such Contributor shall:

- (a) (i) Deposit such Contribution at the Website according to the Contribution instructions found at such Website, or (ii) disclose such Contribution at a meeting of any working group of Accellera;
- (b) (i) Describe such Contribution in reasonable detail on Exhibit B (including the additions or changes such Contributor made to create the Contribution and the date of any such changes or additions), (ii) completing a Contribution Questionnaire with respect to such Contribution, and (iii) delivering both documents to the Secretary of Accellera. All Contributions made after the date hereof shall be effectuated by Contributor (x) amending Exhibit B and delivering such amended Exhibit B to the Secretary of Accellera, which amended exhibit shall automatically replace the existing Exhibit B, (y) completing a Contribution Questionnaire with respect to such Contribution, and (z) delivering both documents to the Secretary of Accellera;
- (c) Cause such Contribution to contain a file documenting such Contributor's name and contact information, additions or changes such Contributor made to create the Contribution, and the date of any such changes or additions; and
- (d) Cause such Contribution to include in each file a prominent statement substantially similar to the following: "Any code contained in this Contribution is derived, directly or indirectly, from the SystemC source code. Copyright© 1996-[current year here] by all Contributors. All Rights reserved. The contents of this file are subject to the restrictions and limitations set forth in the SystemC Open Source License Version 3.1 (the "License"). You may not use this file except in compliance with such restrictions and limitations. You may obtain instructions on how to receive a copy of the License at <http://www.accellera.org/>. Software distributed by Contributors under the License is distributed exclusively on an "AS IS" basis, WITHOUT WARRANTY OF ANY KIND, either express or implied. See the License for the specific language governing rights and limitations under the License."

3.2 Accellera may from time to time publish policies and procedures regarding the contribution or depositing of Contributions as well as establish additional details regarding the contribution process. Without limiting the foregoing, Accellera or the administrators of the Website shall have the right to remove any Contribution from the Website at any time.

4. REQUIREMENTS OF DISTRIBUTION

4.1 A Recipient may choose to Distribute any Contribution or any compilation of multiple Contributions (except for any Code Contributions) under its own license agreement provided that:

- (a) Recipient complies with the terms and conditions of this Agreement;
- (b) As between Recipient and any other Contributor, Recipient assumes all warranties and conditions, express and implied, and all liability for damages arising out of its Distribution; and
- (c) Recipient makes available to recipients of such Distribution then Source Code for such Distributions, and informs them on how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

4.2 If a Recipient chooses to Distribute any Code Contribution or compilations of Code Contributions then:

- (a) Such Code Contribution must be Distributed under this Agreement; and
- (b) A copy of this Agreement must be included with each copy of such Code Contribution.

4.3 Each Recipient must include the following in a conspicuous location in the Code Contribution so Distributed: “Copyright© 1996-[current year here], by all Contributors. All rights reserved.”

4.4 In addition, each Recipient that creates and Distributes or otherwise transfers a Modification whether or not such Modification has been deposited pursuant to Section 3 must identify the originator of such Modification in a manner that reasonably allows third parties to identify the originator of the Modification.

4.5 A Recipient may choose to Distribute the Accellera Documentation under its own license agreement, provided that Recipient complies with the terms and conditions of this Agreement. Each Recipient must include the following in a conspicuous location in the Accellera Documentation so Distributed or transferred: “Copyright© 1996-[current year here], by Accellera Systems Initiative. All rights reserved.”

In addition, each Recipient that creates and Distributes a modification or Derivative work of the Accellera Documentation, whether or not such modification or Derivative work has been contributed pursuant to a Copyright Agreement must identify the originator of such modification or Derivative work in a manner that reasonably allows third parties to identify the originator of the modification or derivative work.

5. INDEMNIFICATION

Any Recipient which Distributes any Contribution and/or Accellera Release (a “Distributor”) may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of Contributions Accellera Documentation and Accellera Releases, a Distributor shall Distribute such Contributions, Accellera Documentation and Accellera Releases in a manner which does not create potential liability for the Contributors. Therefore each Distributor hereby agrees to defend and indemnify every Contributor (“Indemnified Contributor”) against any losses, damages and costs (collectively “Losses”) arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Distributor, including but not limited to the terms and conditions under which Distributor offered such Contributions, Accellera Documentation and/or Accellera Releases in connection with its Distribution thereof. The obligations in this Section 5 do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement of any Contribution, Accellera Documentation or Accellera Release. In order to qualify, an Indemnified Contributor must: (a) promptly notify the Distributor in writing of such claim, and (b) allow the Distributor to control, and cooperate with the Distributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in the defense of any such claim at its own expense.

For example, a Recipient might include a Contribution in a commercial product offering, Product X. That Recipient is then a Distributor. If that Distributor then makes performance claims, or offers warranties, support, or indemnity or any other license terms related to Product X, those performance claims, offers and other terms are such Distributor's responsibility alone. Under this Section 5, the Distributor would have to

defend claims against the Contributors related to those performance claims, offers, and other terms, and if a court requires any Contributor to pay any damages as a result, the Distributor must pay those damages.

6. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, ALL CONTRIBUTIONS, ACCELLERA DOCUMENTATION AND ACCELLERA RELEASES ARE PROVIDED EXCLUSIVELY ON AN “AS IS” BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. EACH RECIPIENT IS SOLELY RESPONSIBLE FOR DETERMINING THE APPROPRIATENESS OF ITS USE AND DISTRIBUTION OF ANY CONTRIBUTION, ACCELLERA DOCUMENTATION AND ACCELLERA RELEASE AND ASSUMES ALL RISKS ASSOCIATED WITH ITS EXERCISE OF RIGHTS UNDER THIS AGREEMENT, INCLUDING BUT NOT LIMITED TO THE RISKS AND COSTS OF PROGRAM ERRORS, COMPLIANCE WITH APPLICABLE LAWS, DAMAGE TO OR LOSS OF DATA, PROGRAMS OR EQUIPMENT, AND UNAVAILABILITY OR INTERRUPTION OF OPERATIONS. THIS DISCLAIMER OR WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS AGREEMENT. NO USE OF ANY CONTRIBUTION, ACCELLERA DOCUMENTATION OR ACCELLERA RELEASE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

7. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NONE OF THE RECIPIENTS, CONTRIBUTORS OR ACCELLERA SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, PUNITIVE, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF ANY CONTRIBUTION, ACCELLERA DOCUMENTATION OR ACCELLERA RELEASE OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

8. U.S. GOVERNMENT USE

If Recipient is licensing any computer program on behalf of any unit or agency of the United States Government, then such computer program is commercial computer software, and, pursuant to FAR 12.212 or DFARS 227.7202 and their successors, as applicable, shall be licensed to the Government under the terms and conditions of this Agreement.

9. PATENT CLAIMS

If Recipient institutes patent litigation against any entity (including a cross-claim, counterclaim or declaratory judgment claim in a lawsuit) alleging that any Contribution, Accellera Release or combination of Contributions (excluding combinations of any Contribution with other software or hardware) infringes such Recipient's patent(s), then the rights granted to Recipient by each Contributor under Section 2 shall terminate as of the date such litigation is filed.

10. TERMINATION

All Recipient's rights under this Agreement shall terminate if Recipient fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If such occurs, Recipient shall cease all use and Distribution of

any Contributions of any other Contributor, Accellera Documentation and Accellera Releases based upon the rights granted to Recipient under this Agreement as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to any Contributions shall survive such termination.

11. LICENSE VERSIONS

Accellera may publish new versions (including revisions) of this Agreement from time to time. Each new version of the Agreement will be given a distinguishing version number. Any Contribution, Accellera Documentation or Accellera Release may always be Distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to Distribute any Contribution, Accellera Documentation or Accellera Release under the new version. No one other than Accellera, acting by a vote of at least seventy five percent (75%) of the members of its Board of Directors, has the right to modify this Agreement; provided that Exhibit B and Exhibit C may be amended as specifically set forth in Section 3.1(b), and Exhibit D may be amended as specifically set forth in Section 1.13.

12. ELECTRONIC ACCEPTANCE

This Agreement may be executed either electronically or on paper. If this Agreement is executed electronically, by clicking on the "Accept" button, Recipient warrants that it agrees to all of the terms of this Agreement, that Recipient is authorized to enter into this Agreement, and that this Agreement is legally binding upon Recipient. If Recipient does not agree to be bound by this Agreement, then Recipient shall click the "Decline" button and Recipient shall not receive any rights from the Contributors nor shall Recipient download any Contributions, Accellera Documentation or Accellera Releases.

13. GENERAL

This Agreement represents the complete agreement concerning the subject matter hereof and supersedes all prior agreements or representations, oral or written, regarding the subject matter hereof. If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable. This Agreement shall be executed in multiple counterparts (either electronically and/or on paper), each of which shall

be deemed to be an original, but all of which shall be one and the same Agreement. A facsimile or other copy of the Agreement shall have the same force and effect as an originally executed copy thereof.

This Agreement is governed by the laws of California, without reference to conflict of laws principles. Each party waives its rights to a jury trial in any resulting litigation. Any litigation relating to this Agreement shall be subject to the jurisdiction of the Federal Courts of the Northern District of California, with venue lying in Santa Clara County, California, or the Santa Clara County Superior Court. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. The provisions of this Agreement shall be construed fairly in accordance with its terms and no rules of construction for or against either party shall be applied in the interpreting this Agreement. Recipient shall not use any Contribution, Accellera Documentation or Accellera Release in violation of local and other applicable laws including, but not limited to, the export control laws of the United States.

Copyright 2010 Vicente J. Botet Escriba Distributed
Copyright 2011-2012 Wind River Systems Inc
Copyright 2010 Rene Rivera Distributed
Copyright 2012 Digia Plc and or its subsidiary
Copyright 2009 Vicente J. Botet Escriba
Copyright 2007-2008 Apple Inc
Copyright (C) 1994 1995-8 1999 Free Software Foundation Inc. This Makefile.in is free software the Free Software Foundation gives unlimited permission to copy and or distribute it
Copyright 2009-2013 Mario Mulansky
Copyright 2001-2002, 2005 Douglas Gregor
Copyright 1999-2000 Jaakko J
Copyright 2003 Synge Todo
Copyright 2003-2004 Thorsten Ottosen
Copyright 2001-2004 Peter Dimov and Multi Media Ltd
Copyright 2002 William E. Kempf Distributed
Copyright 2014 Anton Bikineev
Copyright 2012 Research In Motion <blackberry-qt@qnx.com> Contact
Copyright 2002 Brad King (brad.king@kitware.com)
Copyright 2005 Markus Schoepflin
Copyright 2014 Paul Bristow Distributed
Copyright 2000-2003 Jaakko Jarvi (jaakko.jarvi@cs.utu.fi)
Copyright 2011 Kwan Ting Chan
Copyright 2012 Edward Diener
Copyright 2008 notice to include
Copyright 2001-2003 Toon Knapen
Copyright 2003-2004 immodule for Qt Project
Copyright 2000-2004 Aleksey Gurtovoy
Copyright 1996-2001 David Turner Robert Wilhelm and Werner Lemberg
Copyright 2004 Stefan Slapeta
Copyright 2001 Lie-Quan Lee
Copyright 2005-2006 Dave Abrahams
Copyright 1996-2014 all Contributors
Copyright 2002-2003 Guillaume Melquiond
Copyright 2010 Christophe Henry
Copyright 2000-2001 Stephen Cleary
Copyright 2008-2010 Gordon Woodhull
Copyright 2009-2010, 2014 Neil Groves
Copyright 2000-2001 University of Notre Dame du Lac
Copyright 2010, 2018 Xilinx Inc
Copyright 1998-2010 Brian Gladman Worcester UK
Copyright 1994 Hewlett-Packard Co --
Copyright 2017 Oliver Kowalke
Copyright 2000-2003 Gary Powell (powellg@amazon.com)

Copyright 2001-2002 Indiana University. Some concepts based on versions from the MTL draft manual and Boost Graph and Property Map documentation
Copyright 2004-2006 David Abrahams & Ralf W. Grosse-Kunsteve
Copyright 2005-2007 Rene Rivera
Copyright 2001-2004, 2006 David Abrahams
Copyright 2009, 2018 Mountainminds GmbH & Co. KG and Contributors
Copyright 2003-2019 Christopher M. Kohlhoff
Copyright 2001 Markus Sch
Copyright 2001-2014 Steven J. Ross
Copyright 2017-2018 The Abseil Authors
Copyright 2004 Jonathan Brandmeyer
Copyright 2014 Glen Joseph Fernandes (glenjofe@gmail.com)
Copyright 2009-2013 Karsten Ahnert
Copyright 2009-2011 Artyom Beilis
Copyright 2003 Christof Meerwald
Copyright (c) 2001-2007 Hartmut Kaiser --
Copyright 2005 Caleb Epstein
Copyright Vladimir Prus 2002-2010
Copyright 2002 Brad King (brad.king@kitware.com) Douglas Gregor (gregod@cs.rpi.edu) Peter Dimov
Copyright 2001-2003 Jens Maurer
Copyright 2001-2002 Darin Adler
Copyright 2003 Martin Wille
Copyright 2006 to include
Copyright 2000 Hans Petter Bieker
Copyright 1996-1999 Silicon Graphics Computer Systems Inc
Copyright 2004 Ralf W. Grosse-Kunstleve
Copyright 2003 Dan Watkins
Copyright 2014 Christopher Kormanyos
Copyright 2003 Eric Friedman
Copyright 2010 Christophe Henry henry UNDERSCORE christophe AT hotmail DOT com
Copyright 2001-2014 Joel de Guzman
Copyright 2001-2003, 2008 Beman Dawes
Copyright 1996 TLM
Copyright 2005 David Abrahams and Aleksey Gurtovoy. Distributed
Copyright 2002 Peter Dimov and David Abrahams
Copyright 1993 David Keppel
Copyright 2001-2011 Hartmut Kaiser
Copyright 2003 Gennaro Prota
Copyright 2010, 2013 Abel Sinkovics (abel@sinkovics.hu)
Copyright 2013-2017 Louis Dionne
Copyright 2001-2002 Bill Kempf
Copyright 2008-2010 Gordon Woodhull Distributed
Copyright 2015 John Maddock. Distributed
Copyright 1999 Xilinx
Copyright 2001-2005, 2015 Peter Dimov
Copyright 2000 Jeremy Siek Lie-Quan Lee and Andrew Lumsdaine
Copyright 2008 Howard Hinnant
Copyright 1998-2004, 2006, 2014 John Maddock

tcl version 8.5.14

<<<<<<<<xilinx-separator>>>>>>>>>

This software is copyrighted by the Regents of the University of California, Sun Microsystems, Inc., and other parties. The following

terms apply to all files associated with the software unless explicitly disclaimed in individual files.

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

IN NO EVENT SHALL THE AUTHORS OR DISTRIBUTORS BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS SOFTWARE, ITS DOCUMENTATION, OR ANY DERIVATIVES THEREOF, EVEN IF THE AUTHORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

THE AUTHORS AND DISTRIBUTORS SPECIFICALLY DISCLAIM ANY WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. THIS SOFTWARE IS PROVIDED ON AN "AS IS" BASIS, AND THE AUTHORS AND DISTRIBUTORS HAVE NO OBLIGATION TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.

GOVERNMENT USE: If you are acquiring this software on behalf of the U.S. government, the Government shall have only "Restricted Rights" in the software and related documentation as defined in the Federal Acquisition Regulations (FARs) in Clause 52.227.19 (c) (2). If you are acquiring the software on behalf of the Department of Defense, the software shall be classified as "Commercial Computer Software" and the Government shall have only "Restricted Rights" as defined in Clause 252.227-7013 (b) (3) of DFARs. Notwithstanding the foregoing, the authors grant the U.S. Government and others acting in its behalf permission to use and distribute the software in accordance with the terms specified in this license.

Copyright ActiveState Corporation et al
Copyright 1999-2000 Jeffrey Hobbs
Copyright 2004 Joe English
Copyright 1998-2000 Scriptics Corp
Copyright 1994-1998 Sun Microsystems Inc
Copyright 2002 ActiveState Corp
Copyright 1998-2000 Ajuba Solutions
Copyright 2007 ActiveState Software Inc
Copyright 2007 Daniel A. Steffen <das@users.sourceforge.net>
Copyright 1992-1994 The Regents of the University of California
Copyright 2004 Pat Thoyts <patthoyts@users.sourceforge.net>

tcl version 8.5.6
<<<<<<<<<xilinx-separator>>>>>>>>>

License Terms (apply to all files associated with the software unless explicitly disclaimed in individual files)

This software is copyrighted by the Regents of the University of California, Sun Microsystems, Inc., Scriptics Corporation, ActiveState Corporation and other parties. The following terms apply to all files associated with the software unless explicitly disclaimed in individual files.

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

IN NO EVENT SHALL THE AUTHORS OR DISTRIBUTORS BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS SOFTWARE, ITS DOCUMENTATION, OR ANY DERIVATIVES THEREOF, EVEN IF THE AUTHORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

THE AUTHORS AND DISTRIBUTORS SPECIFICALLY DISCLAIM ANY WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. THIS SOFTWARE IS PROVIDED ON AN "AS IS" BASIS, AND THE AUTHORS AND DISTRIBUTORS HAVE NO OBLIGATION TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.

GOVERNMENT USE: If you are acquiring this software on behalf of the U.S. government, the Government shall have only "Restricted Rights" in the software and related documentation as defined in the Federal Acquisition Regulations (FARs) in Clause 52.227.19 (c) (2). If you are acquiring the software on behalf of the Department of Defense, the software shall be classified as "Commercial Computer Software" and the Government shall have only "Restricted Rights" as defined in Clause 252.227-7013 (c) (1) of DFARs. Notwithstanding the foregoing, the authors grant the U.S. Government and others acting in its behalf permission to use and distribute the software in accordance with the terms specified in this license.

Copyright notice that applies to FILE: ./tools/mkdepend.tcl

mkdepend : generate dependency information from C/C++ files

Copyright (c) 1998, Nat Pryce

Permission is hereby granted, without written agreement and without license or royalty fees, to use, copy, modify, and distribute this software and its documentation for any purpose, provided that the above copyright notice and the following two paragraphs appear in all copies of this software.

IN NO EVENT SHALL THE AUTHOR BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS SOFTWARE AND ITS DOCUMENTATION, EVEN IF THE AUTHOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

THE AUTHOR SPECIFICALLY DISCLAIMS ANY WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE SOFTWARE PROVIDED HEREUNDER IS ON AN "AS IS" BASIS, AND THE AUTHOR HAS NO OBLIGATION TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.

=====

Modified heavily by David Gravereaux <davygrvy@pobox.com> about 9/17/2006. Original can be found @
<http://web.archive.org/web/20070616205924/http://www.doc.ic.ac.uk/~np2/software/mkdepend.html>

=====

RCS: @(#) \$Id: mkdepend.tcl,v 1.6 2007/12/13 15:28:40 dgp Exp \$

=====

Copyright notice that applies to the following FILES:

- 1) ./generic/regexec.c
- 2) ./generic/regc_color.c
- 3) ./generic/regc_cvec.c
- 4) ./generic/regc_nfa.c

[Public]

- 5) ./generic/regerror.c
- 6) ./generic/regguts.h
- 7) ./generic/regfronts.c
- 8) ./generic/regfree.c
- 9) ./generic/regc_lex.c
- 10) ./generic/regcustom.h
- 11) ./generic/rege_dfa.c
- 12) ./generic/regcomp.c

Copyright (c) 1998, 1999 Henry Spencer. All rights reserved.

Development of this software was funded, in part, by Cray Research Inc., UUNET Communications Services Inc., Sun Microsystems Inc., and Scriptics Corporation, none of whom are responsible for the results. The author thanks all of them.

Redistribution and use in source and binary forms -- with or without modification -- are permitted for any purpose, provided that redistributions in source form retain this entire copyright notice and indicate the origin and nature of any modifications.

I'd appreciate being given credit for this package in the documentation of software which uses it, but that is not a requirement.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL HENRY SPENCER BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

For the following FILES, also include the following additional text at the end of the notice after the warranty disclaimer/limitation of liability section.

- 2) ./generic/regc_color.c - "Note that there are some incestuous relationships between this code and NFA arc maintenance, which perhaps ought to be cleaned up sometime."
- 3) ./generic/regc_cvec.c - "Notes: Only (selected) functions in `_this_` file should treat `chr*` as non-constant."
- 4) ./generic/regc_nfa.c - "One or two things that technically ought to be in here are actually in `color.c`, thanks to some incestuous relationships in the color chains."
- 6) ./generic/regguts.h - "Environmental customization. It should not (I hope) be necessary to alter the file you are now reading -- `regcustom.h` should handle it all, given care here and elsewhere."
- 8) ./generic/regfree.c - "You might think that this could be incorporated into `regcomp.c`, and that would be a reasonable idea... except that this is a generic function (with a generic name), applicable to all compiled Res regardless of the size of their characters, whereas the stuff in `regcomp.c` gets compiled once per character size."
- 9) ./generic/regc_lex.c - "scanning macros (know about v)"
- 10) ./generic/regcustom.h - "Headers if any."

Copyright notice that applies to FILE: `./generic/tclDate.c`

A Bison parser, made by GNU Bison 2.3.

Skeleton implementation for Bison's Yacc-like parsers in C

Copyright (C) 1984, 1989, 1990, 2000, 2001, 2002, 2003, 2004, 2005, 2006
Free Software Foundation, Inc.

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have

received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA.

As a special exception, you may create a larger work that contains part or all of the Bison parser skeleton and distribute that work under terms of your choice, so long as that work isn't itself a parser generator using the skeleton or a modified version thereof as a parser skeleton. Alternatively, if you modify or redistribute the parser skeleton itself, you may (at your option) remove this special exception, which will cause the skeleton and the resulting Bison output files to be licensed under the GNU General Public License without this special exception. This special exception was added by the Free Software Foundation in version 2.2 of Bison.

C LALR(1) parser skeleton written by Richard Stallman, by simplifying the original so-called "semantic" parser.

All symbols defined below should begin with yy or YY, to avoid infringing on user name space. This should be done even for local variables, as they might otherwise be expanded by user macros. There are some unavoidable exceptions within include files to define necessary library symbols; they are noted "INFRINGES ON USER NAME SPACE" below.

Identify Bison output.

Copyright notice that applies to FILE: ./unix/tclLoadAix.c

This file implements the dlopen and dlsym APIs under the AIX operating system, to enable the Tcl "load" command to work. This code was provided by Jens-Uwe Mager.

This file is subject to the following copyright notice, which is different from the notice used elsewhere in Tcl. The file has been modified to incorporate the file dlfcn.h in-line.

Copyright (c) 1992,1993,1995,1996, Jens-Uwe Mager, Helios Software GmbH
Not derived from licensed software.

Permission is granted to freely use, copy, modify, and redistribute this software, provided that the author is not construed to be liable for any results of using the software, alterations are clearly marked as such, and this notice is not modified.

RCS: @(#) \$Id: tclLoadAix.c,v 1.6 2007/04/16 13:36:36 dkf Exp \$

Note: this file has been altered from the original in a few ways in order to work properly with Tcl.

@(#)dlfcn.c 1.7 revision of 95/08/14 19:08:38

This is an unpublished work copyright (c) 1992 HELIOS Software GmbH
30159 Hannover, Germany

Copyright notice that applies to FILE: ./compat/dlfcn.h

This file provides a replacement for the header file "dlfcn.h" on systems where dlfcn.h is missing. It's primary use is for AIX, where Tcl emulates the dl library.

This file is subject to the following copyright notice, which is different from the notice used elsewhere in Tcl but roughly equivalent in meaning.

Copyright (c) 1992,1993,1995,1996, Jens-Uwe Mager, Helios Software GmbH
Not derived from licensed software.

Permission is granted to freely use, copy, modify, and redistribute this software, provided that the author is not construed to be liable for any results of using the software, alterations are clearly marked as such, and this notice is not modified.

RCS: @(#) \$Id: dlfcn.h,v 1.2 1998/09/14 18:39:44 stanton Exp \$

@(#)dlfcn.h 1.4 revision of 95/04/25 09:36:52

This is an unpublished work copyright (c) 1992 HELIOS Software GmbH
30159 Hannover, Germany

Copyright notice that applies to FILE: ./compat/unistd.h

Copyright 1989 Regents of the University of California

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies. The University of California makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

RCS: @(#) \$Id: unistd.h,v 1.2 1998/09/14 18:39:45 stanton Exp \$

COPYRIGHT TEXT:

/*

* Copyright (c) 1996-1998 Sun Microsystems, Inc.

*

* See the file "license.terms" for information on usage and redistribution
* of this file, and for a DISCLAIMER OF ALL WARRANTIES.

*

* Portions of this code were derived from NetBSD source code which has
* the following copyright notice:

*

* Copyright (c) 1988, 1993, 1994

* The Regents of the University of California. All rights reserved.

*

* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:

* 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions and the following disclaimer.

* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions and the following disclaimer in the
* documentation and/or other materials provided with the distribution.

* 3. All advertising materials mentioning features or use of this software
* must display the following acknowledgement:

* This product includes software developed by the University of
* California, Berkeley and its contributors.

* 4. Neither the name of the University nor the names of its contributors
* may be used to endorse or promote products derived from this software
* without specific prior written permission.

*

* THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND
* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.

*/

COPYRIGHT TEXT:

/*

* tclMacOSXBundle.c --

*

```
*      This file implements functions that inspect CFBundle structures
*      on MacOS X.
*
*      Copyright 2001, Apple Computer, Inc.
*
*      The following terms apply to all files originating from Apple
*      Computer, Inc. ("Apple") and associated with the software
*      unless explicitly disclaimed in individual files.
*
*
*      Apple hereby grants permission to use, copy, modify,
*      distribute, and license this software and its documentation
*      for any purpose, provided that existing copyright notices are
*      retained in all copies and that this notice is included
*      verbatim in any distributions. No written agreement, license,
*      or royalty fee is required for any of the authorized
*      uses. Modifications to this software may be copyrighted by
*      their authors and need not follow the licensing terms
*      described here, provided that the new terms are clearly
*      indicated on the first page of each file where they apply.
*
*
*      IN NO EVENT SHALL APPLE, THE AUTHORS OR DISTRIBUTORS OF THE
*      SOFTWARE BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT, SPECIAL,
*      INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF
*      THIS SOFTWARE, ITS DOCUMENTATION, OR ANY DERIVATIVES THEREOF,
*      EVEN IF APPLE OR THE AUTHORS HAVE BEEN ADVISED OF THE
*      POSSIBILITY OF SUCH DAMAGE.  APPLE, THE AUTHORS AND
*      DISTRIBUTORS SPECIFICALLY DISCLAIM ANY WARRANTIES, INCLUDING,
*      BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY,
*      FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT.  THIS
*      SOFTWARE IS PROVIDED ON AN "AS IS" BASIS, AND APPLE,THE
*      AUTHORS AND DISTRIBUTORS HAVE NO OBLIGATION TO PROVIDE
*      MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.
*
*      GOVERNMENT USE: If you are acquiring this software on behalf
*      of the U.S. government, the Government shall have only
*      "Restricted Rights" in the software and related documentation
*      as defined in the Federal Acquisition Regulations (FARs) in
*      Clause 52.227.19 (c) (2).  If you are acquiring the software
*      on behalf of the Department of Defense, the software shall be
*      classified as "Commercial Computer Software" and the
*      Government shall have only "Restricted Rights" as defined in
*      Clause 252.227-7013 (c) (1) of DFARs.  Notwithstanding the
*      foregoing, the authors grant the U.S. Government and others
*      acting in its behalf permission to use and distribute the
*      software in accordance with the terms specified in this
*      license.
*/
-----
COPYRIGHT TEXT:
/*
* strptime.c --
*
*      This file contains a modified version of the BSD 4.4 strptime
*      function.
*
* This file is a modified version of the strptime.c file from the BSD 4.4
```

```
* source. See the copyright notice below for details on redistribution
* restrictions. The "license.terms" file does not apply to this file.
*
* Changes 2002 Copyright (c) 2002 ActiveState Corporation.
*
/*
* Copyright (c) 1989 The Regents of the University of California.
* All rights reserved.
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright
*    notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
*    notice, this list of conditions and the following disclaimer in the
*    documentation and/or other materials provided with the distribution.
* 3. All advertising materials mentioning features or use of this software
*    must display the following acknowledgement:
*        This product includes software developed by the University of
*        California, Berkeley and its contributors.
* 4. Neither the name of the University nor the names of its contributors
*    may be used to endorse or promote products derived from this software
*    without specific prior written permission.
*
* THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND
* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
*/
-----
COPYRIGHT TEXT:
/*
* tclLoadAix.c --
*
* This file implements the dlopen and dlsym APIs under the
* AIX operating system, to enable the Tcl "load" command to
* work. This code was provided by Jens-Uwe Mager.
*
* This file is subject to the following copyright notice, which is
* different from the notice used elsewhere in Tcl. The file has
* been modified to incorporate the file dlfcn.h in-line.
*
* Copyright (c) 1992,1993,1995,1996, Jens-Uwe Mager, Helios Software GmbH
* Not derived from licensed software.
* Permission is granted to freely use, copy, modify, and redistribute
* this software, provided that the author is not construed to be liable
* for any results of using the software, alterations are clearly marked
* as such, and this notice is not modified.
*
* Note: this file has been altered from the original in a few
```

```
* ways in order to work properly with Tcl.
*/
* This is an unpublished work copyright (c) 1992 HELIOS Software GmbH
* 30159 Hannover, Germany
*/
```

```
/*
 * unistd.h --
 *
 *      Macros, CONSTants and prototypes for Posix conformance.
 *
 * Copyright 1989 Regents of the University of California
 * Permission to use, copy, modify, and distribute this
 * software and its documentation for any purpose and without
 * fee is hereby granted, provided that the above copyright
 * notice appear in all copies. The University of California
 * makes no representations about the suitability of this
 * software for any purpose. It is provided "as is" without
 * express or implied warranty.
 */
```

```

/*
 * Copyright (c) 1988 Regents of the University of California.
 * All rights reserved.
 *
 * Redistribution and use in source and binary forms are permitted
 * provided that this notice is preserved and that due credit is given
 * to the University of California at Berkeley. The name of the University
 * may not be used to endorse or promote products derived from this
 * software without specific written prior permission. This software
 * is provided `as is' without express or implied warranty.
 */

```

This software is copyrighted by the Regents of the University of California, Sun Microsystems, Inc., and other parties. The following terms apply to all files associated with the software unless explicitly disclaimed in individual files.

IN NO EVENT SHALL THE AUTHORS OR DISTRIBUTORS BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS SOFTWARE, ITS DOCUMENTATION, OR ANY

DERIVATIVES THEREOF, EVEN IF THE AUTHORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

THE AUTHORS AND DISTRIBUTORS SPECIFICALLY DISCLAIM ANY WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. THIS SOFTWARE IS PROVIDED ON AN "AS IS" BASIS, AND THE AUTHORS AND DISTRIBUTORS HAVE NO OBLIGATION TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.

GOVERNMENT USE: If you are acquiring this software on behalf of the U.S. government, the Government shall have only "Restricted Rights" in the software and related documentation as defined in the Federal Acquisition Regulations (FARs) in Clause 52.227.19 (c) (2). If you are acquiring the software on behalf of the Department of Defense, the software shall be classified as "Commercial Computer Software" and the Government shall have only "Restricted Rights" as defined in Clause 252.227-7013 (b) (3) of DFARS. Notwithstanding the foregoing, the authors grant the U.S. Government and others acting in its behalf permission to use and distribute the software in accordance with the terms specified in this license.

Copyright ActiveState Corporation et al
Copyright 1999-2000 Jeffrey Hobbs
Copyright 2004 Joe English
Copyright 1998-2000 Scriptics Corp
Copyright 1994-1998 Sun Microsystems Inc
Copyright 2002 ActiveState Corp
Copyright 1998-2000 Ajuba Solutions
Copyright 2007 ActiveState Software Inc
Copyright 2007 Daniel A. Steffen <das@users.sourceforge.net>
Copyright 1992-1994 The Regents of the University of California
Copyright 2004 Pat Thoyts <patthoyts@users.sourceforge.net>
Copyright 2003 Zoran Vasiljevic Archiware GmbH

```
tcllib version 2.0
<<<<<<<xilinx-separator>>>>>>>
```

>>>BSD 2 clause

```
# Copyright (C) 1996 by Jef Poskanzer <jef@acme.com>. All rights reserved.
#
```

```
# Redistribution and use in source and binary forms, with or without
# modification, are permitted provided that the following conditions
# are met:
# 1. Redistributions of source code must retain the above copyright
# notice, this list of conditions and the following disclaimer.
# 2. Redistributions in binary form must reproduce the above copyright
# notice, this list of conditions and the following disclaimer in the
# documentation and/or other materials provided with the distribution.
#
# THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS `AS IS" AND
# ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
# IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
# ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE
# FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
# DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
# OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
# HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
# LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
# OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
# SUCH DAMAGE.
```

>>>tcl/tk license

```
Copyright (C) 2004 Salvatore Sanfilippo <antirez at invece dot org>
# Copyright (C) 2004 Arjen Markus <arjen dot markus at wldelft dot nl>
#
# LICENSE
#
# This software is:
# Copyright (C) 2004 Salvatore Sanfilippo <antirez at invece dot org>
# Copyright (C) 2004 Arjen Markus <arjen dot markus at wldelft dot nl>
# The following terms apply to all files associated with the software
# unless explicitly disclaimed in individual files.
#
# The authors hereby grant permission to use, copy, modify, distribute,
# and license this software and its documentation for any purpose, provided
# that existing copyright notices are retained in all copies and that this
# notice is included verbatim in any distributions. No written agreement,
# license, or royalty fee is required for any of the authorized uses.
# Modifications to this software may be copyrighted by their authors
# and need not follow the licensing terms described here, provided that
# the new terms are clearly indicated on the first page of each file where
# they apply.
#
# IN NO EVENT SHALL THE AUTHORS OR DISTRIBUTORS BE LIABLE TO ANY PARTY
# FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES
# ARISING OUT OF THE USE OF THIS SOFTWARE, ITS DOCUMENTATION, OR ANY
# DERIVATIVES THEREOF, EVEN IF THE AUTHORS HAVE BEEN ADVISED OF THE
# POSSIBILITY OF SUCH DAMAGE.
#
# THE AUTHORS AND DISTRIBUTORS SPECIFICALLY DISCLAIM ANY WARRANTIES,
# INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY,
# FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. THIS SOFTWARE
# IS PROVIDED ON AN "AS IS" BASIS, AND THE AUTHORS AND DISTRIBUTORS HAVE
# NO OBLIGATION TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR
# MODIFICATIONS.
#
# GOVERNMENT USE: If you are acquiring this software on behalf of the
```

```
# U.S. government, the Government shall have only "Restricted Rights"
# in the software and related documentation as defined in the Federal
# Acquisition Regulations (FARs) in Clause 52.227.19 (c) (2). If you
# are acquiring the software on behalf of the Department of Defense, the
# software shall be classified as "Commercial Computer Software" and the
# Government shall have only "Restricted Rights" as defined in Clause
# 252.227-7013 (c) (1) of DFARs. Notwithstanding the foregoing, the
# authors grant the U.S. Government and others acting in its behalf
# permission to use and distribute the software in accordance with the
# terms specified in this license.
```

>>>MIT-style license

```
# Copyright (C) 1999 AT&T Laboratories Cambridge. All Rights Reserved.
#
# This software is distributed in the hope that it will be useful,
# but WITHOUT ANY WARRANTY; without even the implied warranty of
# MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
#
# DesCipher - the DES encryption method
#
# The meat of this code is by Dave Zimmerman <dzimm@widget.com>, and is:
#
# Copyright (c) 1996 Widget Workshop, Inc. All Rights Reserved.
#
# Permission to use, copy, modify, and distribute this software
# and its documentation for NON-COMMERCIAL or COMMERCIAL purposes and
# without fee is hereby granted, provided that this copyright notice is kept
# intact.
#
# WIDGET WORKSHOP MAKES NO REPRESENTATIONS OR WARRANTIES ABOUT THE SUITABILITY
# OF THE SOFTWARE, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED
# TO THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A
# PARTICULAR PURPOSE, OR NON-INFRINGEMENT. WIDGET WORKSHOP SHALL NOT BE LIABLE
# FOR ANY DAMAGES SUFFERED BY LICENSEE AS A RESULT OF USING, MODIFYING OR
# DISTRIBUTING THIS SOFTWARE OR ITS DERIVATIVES.
#
# THIS SOFTWARE IS NOT DESIGNED OR INTENDED FOR USE OR RESALE AS ON-LINE
# CONTROL EQUIPMENT IN HAZARDOUS ENVIRONMENTS REQUIRING FAIL-SAFE
# PERFORMANCE, SUCH AS IN THE OPERATION OF NUCLEAR FACILITIES, AIRCRAFT
# NAVIGATION OR COMMUNICATION SYSTEMS, AIR TRAFFIC CONTROL, DIRECT LIFE
# SUPPORT MACHINES, OR WEAPONS SYSTEMS, IN WHICH THE FAILURE OF THE
# SOFTWARE COULD LEAD DIRECTLY TO DEATH, PERSONAL INJURY, OR SEVERE
# PHYSICAL OR ENVIRONMENTAL DAMAGE ("HIGH RISK ACTIVITIES"). WIDGET WORKSHOP
# SPECIFICALLY DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR
# HIGH RISK ACTIVITIES.
```

>>>Beerware license

```
* "THE BEER-WARE LICENSE" (Revision 42):
# * <phk@login.dknet.dk> wrote this file. As long as you retain this notice you
# * can do whatever you want with this stuff. If we meet some day, and you think
# * this stuff is worth it, you can buy me a beer in return. Poul-Henning Kamp
```

>>>BSD license

```
# Copyright (c) 2000 by Keith Vetter
# This software is licensed under a BSD license as described in tcl/tk
# license.txt file but with the copyright held by Keith Vetter.
```


>>> Public domain

This code is in the public domain. Don Libes <don@libes.com>

>>>Latex Project Public License 1.0 or later

% Copyright (C) 1988,1991 Rechenzentrum der Ruhr-Universitaet Bochum

% [german hyphen patterns]

% Copyright (C) 1993,1994,1999 Bernd Raichle/DANTE e.V.

% [macros, adaption for TeX 2]

%

% -----

% IMPORTANT NOTICE:

%

% This program can be redistributed and/or modified under the terms

% of the LaTeX Project Public License Distributed from CTAN

% archives in directory macros/latex/base/lppl.txt; either

% version 1 of the License, or any later version.

Copyright (c) 2003 ActiveState Corporation

Copyright 2002-2004 Arjen Markus

Copyright (c) 2002 by Brett Schwarz

Copyright their authors

Copyright (C) 1991-1993 RSA Laboratories

Copyright 1998-2000 Ajuba Solutions

Copyright 2002 Emmanuel Frecon <emmanuel@sics.se>

Copyright (c) 2002 2003 Michael Schlenker

Copyright (C) 1995-1998 The Open Group. All Rights Reserved.

COPYRIGHT.free.html

copyright namespace subsection

Copyright (C) 2001-2003 by Dr.Johannes-Heinrich Vogeler

Copyright 2001-2003 David N. Welton <davidw@dedasys.com>

Copyright (C) 1999 Jochen C. Loewer (loewerj@hotmail.com loewerj@web.de) -----

Copyright (c) 2002 by Phil Ehrens <phil@slug.org>

Copyright (C) 1999 AT&T Laboratories Cambridge. All Rights Reserved.

Copyright 2001 Joe English <jenglish@sourceforge.net>. Freely redistributable

Copyright (c) 1996-1999 by Steffen Traeger <Steffen.Traeger@t-online.de>

Copyright 2001-2003 Pat Thoyts <patthoyts@users.sf.net>

Copyright 2001-2004 Andreas Kupries <andreas_kupries@users.sourceforge.net>

Copyright (c) 1995 by Sun Microsystems Version

Copyright 1998 2001 Claudio Beccari

Copyright (c) 2001 by Reinhard Max <Reinhard.Max@gmx.de>

Copyright 2000, 2002, 2004 Andreas Kupries

Copyright (c) 2000 Zveno Pty Ltd Steve Ball http www.zveno.com Derived from urls.tcl by Andreas Kupries

Copyright file, -module, -format, or -deprecated

Copyright (c) 2000 by Scott Beasley

Copyright (c) 2000 by Keith Vetter This software is licensed under

copyright was added, so the code is defacto in the public domain.

Copyright (C) 1988 1991 Rechenzentrum der Ruhr-Universitaet Bochum

Copyright 2003 Andreas Kupries <andreas_kupries@sourceforge.net> Freely redistributable

Copyright 2004 Salvatore Sanfilippo

Copyright 2004 Colin McCormack

Copyright (C) 1996 by Jef Poskanzer <jef@acme.com>. All rights reserved.

Copyright (c) 2004 Reinhard Max <max@tclers.tk>

(c) 1997 Sun Microsystems The decoder was done for exmh by Chris Garrigues

Copyright 1995-2001 Jeffrey Hobbs
Copyright (c) 2001 by Ideogramic ApS and other parties.
Copyright (c) 2004 by Michael Schlenker <mic42@users.sourceforge.net>
Copyright (c) 2000 by Ross Palmer Mohn. See the file license.terms for information on usage and redistribution of this file and for
Copyright 2001-2004 Pat Thoyts <patthoyts@users.sourceforge.net>
Copyright 2003 Edwin A. Suominen <ed@eepatents.com> based on concepts in Introduction to Algorithms by Thomas H. Cormen et al
Copyright 2001-2004 Andreas Kupries <andreas_kupries@sourceforge.net>
Copyright (C) 1993 1994 1999 Bernd Raichle DANTE
Copyright (c) 1996 Widget Workshop Inc. All Rights Reserved.
Copyright 2001 ActiveState Tool Corp
Copyright 2003-2004 Aaron Faupell <afaupell@users.sourceforge.net>
Copyright 2001-2004 Kevin B. Kenny
Copyright 2001-2002 Jean-Luc Fontaine <jfontain@free.fr>
Copyright (c) 2000 by Zveno Pty Ltd
Copyright 1999-2000 Marshall T. Rose
Copyright 1999-2004 Jochen C. Loewer (loewerj@web.de) -----
Copyright (C) 2001 by William H. Duquette. See expander

tcltk version 8.4

<<<<<<<<<xilinx-separator>>>>>>>>>

This software is copyrighted by the Regents of the University of California, Sun Microsystems, Inc., Scriptics Corporation, ActiveState Corporation and other parties. The following terms apply to all files associated with the software unless explicitly disclaimed in individual files.

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

IN NO EVENT SHALL THE AUTHORS OR DISTRIBUTORS BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS SOFTWARE, ITS DOCUMENTATION, OR ANY DERIVATIVES THEREOF, EVEN IF THE AUTHORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

THE AUTHORS AND DISTRIBUTORS SPECIFICALLY DISCLAIM ANY WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. THIS SOFTWARE IS PROVIDED ON AN "AS IS" BASIS, AND THE AUTHORS AND DISTRIBUTORS HAVE NO OBLIGATION TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.

GOVERNMENT USE: If you are acquiring this software on behalf of the U.S. government, the Government shall have only "Restricted Rights" in the software and related documentation as defined in the Federal Acquisition Regulations (FARs) in Clause 52.227.19 (c) (2). If you are acquiring the software on behalf of the Department of Defense, the software shall be classified as "Commercial Computer Software" and the Government shall have only "Restricted Rights" as defined in Clause 252.227-7013 (c) (1) of DFARs. Notwithstanding the foregoing, the

authors grant the U.S. Government and others acting in its behalf permission to use and distribute the software in accordance with the terms specified in this license.

Copyright 1993-1997 Lucent Technologies
Copyright 1998 Mark Harrison
Copyright 1993-1998 Lucent Technologies Inc
Copyright (c) 2000 Andreas Kupries. All rights reserved.
Copyright (c) 1998 Paul Duffin.
Copyright 1993-1994 Lockheed Missile & Space Co AI Center
Copyright 2000 Ajuba Solutions Contributions from Don Porter NIST
Copyright (c) 1993-94 Lockheed Missile & Space Company
Copyright 1992 HELIOS Software GmbH
Copyright (c) 1995-1997 Roger E. Critchlow Jr
Copyright (c) 1999-2000 Andreas Kupries (a.kupries@westend.com)
Copyright 1982-1983, 1986, 1988-1989 Regents of the University of California
Copyright 1993-1997 Bell Labs Innovations for Lucent Technologies
copyright as the man pages. Sep 14 1996
Copyright 1998-1999 Henry Spencer
Copyright 1993-2000 Sun Microsystems Inc
Copyright (c) 1998 Sun Microsystems Inc. puts
Copyright (C) 1999 America Online Inc.
Copyright 1995, 2001 Apple Computer Inc
Copyright 2001-2002 Donal K. Fellows
Copyright (c) 1998-2000 Ajuba Solutions. Contributions from Don Porter NIST
Copyright 1998-2000 Scriptics Corp. Contributions from Don Porter NIST
Copyright 2001-2002 David Gravereaux
Copyright 1992-1993, 1995-1996 Jens-Uwe Mager Helios Software GmbH Not derived from
Copyright 1997-2000 Ajuba Solutions
Copyright 1992 Free Software Foundation Inc
Copyright 2001-2003 Kevin B. Kenny
Copyright 2000 Ajuba Solutions HLP
2001 Tcl Core Team
Copyright 2001-2002 Vincent Darley
Copyright (c) 1996 Lucent Technologies and Jim Ingham
Copyright (c) 1995 Dave Nebinger.
Copyright 1998-2000 Scriptics Corp
Copyright 1998 Scritpics Corp
Copyright 1987-1994 The Regents of the University of California
Copyright 1995 General Electric Co
Copyright 2001-2002, 2004 ActiveState Corp
Copyright (c) 2001 ActiveState Tool Corp.

The text of the Mozilla Public License, Version 1.1, a copy of which is made available below in this document, was originally presented here, or as applicable, applies to the above-listed file(s).

Copyright 1998-2000 Thai Open Source Software Center Ltd and Clark Cooper

Copyright 1998 D. Richard Hipp

Copyright 1999, 2001 Jochen Loewer (loewerj@hotmail.com)

2000-2002 Metrowerks Corporation. All rights reserved.

Copyright 1998-2000 Ajuba Solutions

Copyright 1999-2000 Jochen C. Loewer (loewerj@hotmail.com)

Copyright 2001-2006 Expat maintainers

Copyright 1990-1994 The Regents of the University of California

Copyright 1998-2000 Zveno Pty Ltd

Copyright 2002 ActiveState SRL

Copyright 1998-2001 Jochen Loewer

Copyright 1998-2000 Thai Open Source Software Center Ltd

Copyright (c) 1999 - 2000 Jochen C. Loewer (loewerj@hotmail.com) -----

Copyright (c) 1999 2000 Jochen Loewer (loewerj@hotmail.com) et al. -----

Copyright 2002-2005, 2007 Rolf Ade (rolf@pointsman.de)

Copyright 2001-2002 David Graveriaux

Copyright (c) 1999 Jochen C. Loewer (loewerj@hotmail.com) -----

Copyright (c) 1998 Steve Ball Zveno Pty Ltd

Copyright 1993 Paul Raines (raines@bohr.physics.upenn.edu)

Copyright 2000-2002 Zoran Vasiljevic

Copyright 1999-2001 Jochen Loewer (loewerj@hotmail.com) -----

Copyright 2003 Pat Thoyts

Copyright (C) 1998-1999 Netscape

Copyright 2005 Pat Thoyts <patthoyts@users.sourceforge.net>

Copyright 1999-2007 Rolf Ade

Copyright 1999-2001 Jochen Loewer (loewerj@hotmail.com) -----

Copyright 1992, 2003 Free Software Foundation Inc

Copyright 2003 Patrick Thovts

Copyright 1998-1999 Scriptics Corp

Copyright 2001-2005 ActiveState Corp

Copyright 2000 Clark Cooper

Copyright 1994-1996 Sun Microsystems Inc

telnetlib3 version 2.0.4

```
<<<<<<<xilinx-separator>>>>>>>>
```

ISC License

Permission to use, copy, modify, and /or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

tensorboard version 2.20.0

tensorboard-data-server version 0.7.2

<<<<<<<xilinx-separator>>>>>>>

tensorboard version 2.20.0

```
<<<<<<<<xilinx-separator>>>>>>>>>
```

termcolor version 3.1.0

<<<<<<<xilinx-separator>>>>>>>

Copyright (c) 2008-2011 Volvox Development Team

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

terminado version 0.12.1

```
<<<<<<<xilinx-separator>>>>>>>
```

Vivado ML Lab Solutions Third Party Licensing Guide 2025.10.24 839

```
# terminado: A python websocket server backend for xterm.js
#
# BSD License
#
# Copyright (c) 2014-, Jupyter development team
# Copyright (c) 2014, Ramalingam Saravanan <sarava@sarava.net>
# All rights reserved.
#
# Redistribution and use in source and binary forms, with or without
# modification, are permitted provided that the following conditions are met:
#
# 1. Redistributions of source code must retain the above copyright notice, this
#    list of conditions and the following disclaimer.
# 2. Redistributions in binary form must reproduce the above copyright notice,
#    this list of conditions and the following disclaimer in the documentation
#    and/or other materials provided with the distribution.
#
# THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND
# ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED
# WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
# DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR
# ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
# (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;
# LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
# ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
# (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS
# SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
```

Copyright (c) 2015, The Jupyter Development Team
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

```
texttable version 1.7.0
<<<<<<<xilinx-separator>>>>>>>>
```

Copyright (c) 2020 Gerome Fournier

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright (c) 2020 Gerome Fournier

```
threadpoolctl version 2.1.0
<<<<<<<xilinx-separator>>>>>>>>
```

Copyright (c) 2019, threadpoolctl contributors

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright 2019 threadpoolctl contributors

```
threadpoolctl version 3.5.0
<<<<<<<xilinx-separator>>>>>>>>
```

Copyright (c) 2019, threadpoolctl contributors

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE. EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 2017 Intel Corporation
Copyright 2019 threadpoolctl contributors
Copyright (c) 2017 Intel Corporation published under the BSD

```
tinycss2 version 1.4.0
<<<<<<<xilinx-separator>>>>>>>>
```

D 3-Clause License

Copyright (c) 2013-2020, Simon Sapin and contributors.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE

Apache License
Version 2.0, January 2004
<http://www.apache.org/licenses/>

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

- (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and
- (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
- (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. **Accepting Warranty or Additional Liability.** While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

```
traitlets version 5.0.5
<<<<<<<xilinx-separator>>>>>>>
```

Licensing terms

Traitlets is adapted from [enthought.traits](https://github.com/enthought/traits), Copyright (c) Enthought, Inc., under the terms of the Modified BSD License.

This project is licensed under the terms of the Modified BSD License (also known as New or Revised or 3-Clause BSD), as follows:

- Copyright (c) 2001-, IPython Development Team

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of the IPython Development Team nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

About the IPython Development Team

The IPython Development Team is the set of all contributors to the IPython project. This includes all of the IPython subprojects.

The core team that coordinates development on GitHub can be found here: <https://github.com/jupyter/>.

Our Copyright Policy

IPython uses a shared copyright model. Each contributor maintains copyright over their contributions to IPython. But, it is important to note that these contributions are typically only changes to the repositories. Thus, the IPython source code, in its entirety is not the copyright of any single person or institution. Instead, it is the collective copyright of the entire IPython Development Team. If individual contributors want to maintain a record of what changes/contributions they have specific copyright on, they should indicate their copyright in the commit message of the change, when they commit the change to one of the IPython repositories.

With this in mind, the following banner should be used in any source code file to indicate the copyright and license terms:

```
# Copyright (c) IPython Development Team.  
# Distributed under the terms of the Modified BSD License.
```

Copyright 2007-2015 by the Sphinx team see AUTHORS. license BSD see LICENSE for details.
Copyright 2010 Doug Hellmann
Copyright 2001 IPython Development Team

Traitlets is adapted from [enthought.traits](https://github.com/enthought/traits), Copyright (c) Enthought, Inc., under the terms of the Modified BSD License.

This project is licensed under the terms of the Modified BSD License (also known as New or Revised or 3-Clause BSD), as follows:

- Copyright (c) 2001-, IPython Development Team

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of the IPython Development Team nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

About the IPython Development Team

The IPython Development Team is the set of all contributors to the IPython project. This includes all of the IPython subprojects.

The core team that coordinates development on GitHub can be found here: <https://github.com/jupyter/>.

Our Copyright Policy

IPython uses a shared copyright model. Each contributor maintains copyright over their contributions to IPython. But, it is important to note that these contributions are typically only changes to the repositories. Thus, the IPython source code, in its entirety is not the copyright of any single person or institution. Instead, it is the collective copyright of the entire IPython Development Team. If individual contributors want to maintain a record of what changes/contributions they have specific copyright on, they should indicate

Our Copyright Policy

IPython uses a shared copyright model. Each contributor maintains copyright over their contributions to IPython. But, it is important to note that these contributions are typically only changes to the repositories. Thus, the IPython source code, in its entirety is not the copyright of any single person or institution. Instead, it is the collective copyright of the entire IPython Development Team. If individual contributors want to maintain a record of what changes/contributions they have specific copyright on, they should indicate their copyright in the commit message of the change, when they commit the change to one of the IPython repositories.

With this in mind, the following banner should be used in any source code file to indicate the copyright and license terms:

```
# Copyright (c) IPython Development Team.  
# Distributed under the terms of the Modified BSD License.
```

Copyright 2001 IPython Development Team

```
treelite version 0.32
<<<<<<<xilinx-separator>>>>>>>>
```

The text of the Apache License, Version 2.0, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

Acknowledgments

This page acknowledges those who provided great help in building the initial version of treelite:

* Treelite builds upon Philip's earlier work at **Paul G. Allen School of Computer Science and Engineering, University of Washington at Seattle**, which was performed under the guidance of **Carlos Guestrin** and **Arvind Krishnamurthy**.

* **Tianqi Chen** (member of DMLC) offered many great ideas for the conception of the project. He also provided feedback pertaining to API design.

* **Mu Li** (member of DMLC) provided advice and resources to develop treelite into a full-fledged open source project.

* [More to be added]

Copyright (c) 2017 by Contributors file annotator.cc author Philip Cho
Copyright 2017 Contributors file pred
Copyright 2017 by Contributors file tree.
Copyright (c) 2017 by Contributors file filesystem.
Copyright (c) 2017 by Contributors file annotator.
Copyright 2017 by Contributors file builder.cc brief model builder frontend
Copyright by 2018 Contributors file spsc

A. HISTORY OF THE SOFTWARE

=====

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived	Year	Owner	GPL-compatible? (1)
from				
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes

[Public]

1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

Footnotes:

- (1) GPL-compatible doesn't mean that we're distributing Python under the GPL. All Python licenses, unlike the GPL, let you distribute a modified version without making your changes open source. The GPL-compatible licenses make it possible to combine Python with other software that is released under the GPL; the others don't.
- (2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

B. TERMS AND CONDITIONS FOR ACCESSING OR OTHERWISE USING PYTHON

PYTHON SOFTWARE FOUNDATION LICENSE VERSION 2

1. This LICENSE AGREEMENT is between the Python Software Foundation ("PSF"), and the Individual or Organization ("Licensee") accessing and otherwise using this software ("Python") in source or binary form and its associated documentation.
2. Subject to the terms and conditions of this License Agreement, PSF hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python alone or in any derivative version, provided, however, that PSF's License Agreement and PSF's notice of copyright, i.e., "Copyright (c) 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014 Python Software Foundation; All Rights Reserved" are retained in Python alone or in any derivative version prepared by Licensee.
3. In the event Licensee prepares a derivative work that is based on or incorporates Python or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python.
4. PSF is making Python available to Licensee on an "AS IS" basis. PSF MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, PSF MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON WILL NOT

INFRINGE ANY THIRD PARTY RIGHTS.

5. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

7. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between PSF and Licensee. This License Agreement does not grant permission to use PSF trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By copying, installing or otherwise using Python, Licensee agrees to be bound by the terms and conditions of this License Agreement.

BEOPEN.COM LICENSE AGREEMENT FOR PYTHON 2.0

BEOPEN PYTHON OPEN SOURCE LICENSE AGREEMENT VERSION 1

1. This LICENSE AGREEMENT is between BeOpen.com ("BeOpen"), having an office at 160 Saratoga Avenue, Santa Clara, CA 95051, and the Individual or Organization ("Licensee") accessing and otherwise using this software in source or binary form and its associated documentation ("the Software").

2. Subject to the terms and conditions of this BeOpen Python License Agreement, BeOpen hereby grants Licensee a non-exclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use the Software alone or in any derivative version, provided, however, that the BeOpen Python License is retained in the Software, alone or in any derivative version prepared by Licensee.

3. BeOpen is making the Software available to Licensee on an "AS IS" basis. BEOPEN MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, BEOPEN MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

4. BEOPEN SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF THE SOFTWARE FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF USING, MODIFYING OR DISTRIBUTING THE SOFTWARE, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

5. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

6. This License Agreement shall be governed by and interpreted in all respects by the law of the State of California, excluding conflict of law provisions. Nothing in this License Agreement shall be deemed to

create any relationship of agency, partnership, or joint venture between BeOpen and Licensee. This License Agreement does not grant permission to use BeOpen trademarks or trade names in a trademark sense to endorse or promote products or services of Licensee, or any third party. As an exception, the "BeOpen Python" logos available at <http://www.pythonlabs.com/logos.html> may be used according to the permissions granted on that web page.

7. By copying, installing or otherwise using the software, Licensee agrees to be bound by the terms and conditions of this License Agreement.

CNRI LICENSE AGREEMENT FOR PYTHON 1.6.1

1. This LICENSE AGREEMENT is between the Corporation for National Research Initiatives, having an office at 1895 Preston White Drive, Reston, VA 20191 ("CNRI"), and the Individual or Organization ("Licensee") accessing and otherwise using Python 1.6.1 software in source or binary form and its associated documentation.

2. Subject to the terms and conditions of this License Agreement, CNRI hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python 1.6.1 alone or in any derivative version, provided, however, that CNRI's License Agreement and CNRI's notice of copyright, i.e., "Copyright (c) 1995-2001 Corporation for National Research Initiatives; All Rights Reserved" are retained in Python 1.6.1 alone or in any derivative version prepared by Licensee. Alternately, in lieu of CNRI's License Agreement, Licensee may substitute the following text (omitting the quotes): "Python 1.6.1 is made available subject to the terms and conditions in CNRI's License Agreement. This Agreement together with Python 1.6.1 may be located on the Internet using the following unique, persistent identifier (known as a handle): 1895.22/1013. This Agreement may also be obtained from a proxy server on the Internet using the following URL: <http://hdl.handle.net/1895.22/1013>".

3. In the event Licensee prepares a derivative work that is based on or incorporates Python 1.6.1 or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python 1.6.1.

4. CNRI is making Python 1.6.1 available to Licensee on an "AS IS" basis. CNRI MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, CNRI MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON 1.6.1 WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

5. CNRI SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON 1.6.1 FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON 1.6.1, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material

breach of its terms and conditions.

7. This License Agreement shall be governed by the federal intellectual property law of the United States, including without limitation the federal copyright law, and, to the extent such U.S. federal law does not apply, by the law of the Commonwealth of Virginia, excluding Virginia's conflict of law provisions.

Notwithstanding the foregoing, with regard to derivative works based on Python 1.6.1 that incorporate non-separable material that was previously distributed under the GNU General Public License (GPL), the law of the Commonwealth of Virginia shall govern this License Agreement only as to issues arising under or with respect to Paragraphs 4, 5, and 7 of this License Agreement. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between CNRI and Licensee. This License Agreement does not grant permission to use CNRI trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By clicking on the "ACCEPT" button where indicated, or by copying, installing or otherwise using Python 1.6.1, Licensee agrees to be bound by the terms and conditions of this License Agreement.

ACCEPT

CWI LICENSE AGREEMENT FOR PYTHON 0.9.0 THROUGH 1.2

Copyright (c) 1991 - 1995, Stichting Mathematisch Centrum Amsterdam, The Netherlands. All rights reserved.

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Stichting Mathematisch Centrum or CWI not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

STICHTING MATHEMATISCH CENTRUM DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL STICHTING MATHEMATISCH CENTRUM BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Copyright (c) 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 Python Software Foundation All Rights Reserved are retained in Python alone or in any derivative version prepared by Licensee.

Copyright (c) 1991 - 1995 Stichting Mathematisch Centrum Amsterdam The Netherlands. All rights reserved.

Copyright (c) 1995-2001 Corporation for National Research Initiatives All Rights Reserved are retained in Python

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <https://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <https://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see <https://opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

Footnotes:

(1) GPL-compatible doesn't mean that we're distributing Python under the GPL. All Python licenses, unlike the GPL, let you distribute a modified version without making your changes open source. The GPL-compatible licenses make it possible to combine Python with other software that is released under the GPL; the others don't.

(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

B. TERMS AND CONDITIONS FOR ACCESSING OR OTHERWISE USING PYTHON

=====

Python software and documentation are licensed under the Python Software Foundation License Version 2.

Starting with Python 3.8.6, examples, recipes, and other code in the documentation are dual licensed under the PSF License Version 2 and the Zero-Clause BSD license.

Some software incorporated into Python is under different licenses. The licenses are listed with code falling under that license.

PYTHON SOFTWARE FOUNDATION LICENSE VERSION 2

1. This LICENSE AGREEMENT is between the Python Software Foundation ("PSF"), and the Individual or Organization ("Licensee") accessing and otherwise using this software ("Python") in source or binary form and its associated documentation.
2. Subject to the terms and conditions of this License Agreement, PSF hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python alone or in any derivative version, provided, however, that PSF's License Agreement and PSF's notice of copyright, i.e., "Copyright (c) 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023 Python Software Foundation; All Rights Reserved" are retained in Python alone or in any derivative version prepared by Licensee.
3. In the event Licensee prepares a derivative work that is based on or incorporates Python or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python.
4. PSF is making Python available to Licensee on an "AS IS" basis. PSF MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, PSF MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.
5. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.
6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.
7. Nothing in this License Agreement shall be deemed to create any

relationship of agency, partnership, or joint venture between PSF and Licensee. This License Agreement does not grant permission to use PSF trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By copying, installing or otherwise using Python, Licensee agrees to be bound by the terms and conditions of this License Agreement.

BEOPEN.COM LICENSE AGREEMENT FOR PYTHON 2.0

BEOPEN PYTHON OPEN SOURCE LICENSE AGREEMENT VERSION 1

1. This LICENSE AGREEMENT is between BeOpen.com ("BeOpen"), having an office at 160 Saratoga Avenue, Santa Clara, CA 95051, and the Individual or Organization ("Licensee") accessing and otherwise using this software in source or binary form and its associated documentation ("the Software").

2. Subject to the terms and conditions of this BeOpen Python License Agreement, BeOpen hereby grants Licensee a non-exclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use the Software alone or in any derivative version, provided, however, that the BeOpen Python License is retained in the Software, alone or in any derivative version prepared by Licensee.

3. BeOpen is making the Software available to Licensee on an "AS IS" basis. BEOPEN MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, BEOPEN MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

4. BEOPEN SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF THE SOFTWARE FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF USING, MODIFYING OR DISTRIBUTING THE SOFTWARE, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

5. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

6. This License Agreement shall be governed by and interpreted in all respects by the law of the State of California, excluding conflict of law provisions. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between BeOpen and Licensee. This License Agreement does not grant permission to use BeOpen trademarks or trade names in a trademark sense to endorse or promote products or services of Licensee, or any third party. As an exception, the "BeOpen Python" logos available at <http://www.pythonlabs.com/logos.html> may be used according to the permissions granted on that web page.

7. By copying, installing or otherwise using the software, Licensee agrees to be bound by the terms and conditions of this License Agreement.

CNRI LICENSE AGREEMENT FOR PYTHON 1.6.1

1. This LICENSE AGREEMENT is between the Corporation for National Research Initiatives, having an office at 1895 Preston White Drive, Reston, VA 20191 ("CNRI"), and the Individual or Organization ("Licensee") accessing and otherwise using Python 1.6.1 software in source or binary form and its associated documentation.
2. Subject to the terms and conditions of this License Agreement, CNRI hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python 1.6.1 alone or in any derivative version, provided, however, that CNRI's License Agreement and CNRI's notice of copyright, i.e., "Copyright (c) 1995-2001 Corporation for National Research Initiatives; All Rights Reserved" are retained in Python 1.6.1 alone or in any derivative version prepared by Licensee. Alternately, in lieu of CNRI's License Agreement, Licensee may substitute the following text (omitting the quotes): "Python 1.6.1 is made available subject to the terms and conditions in CNRI's License Agreement. This Agreement together with Python 1.6.1 may be located on the internet using the following unique, persistent identifier (known as a handle): 1895.22/1013. This Agreement may also be obtained from a proxy server on the internet using the following URL: <http://hdl.handle.net/1895.22/1013>".
3. In the event Licensee prepares a derivative work that is based on or incorporates Python 1.6.1 or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python 1.6.1.
4. CNRI is making Python 1.6.1 available to Licensee on an "AS IS" basis. CNRI MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, CNRI MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON 1.6.1 WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.
5. CNRI SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON 1.6.1 FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON 1.6.1, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.
6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.
7. This License Agreement shall be governed by the federal intellectual property law of the United States, including without limitation the federal copyright law, and, to the extent such U.S. federal law does not apply, by the law of the Commonwealth of Virginia, excluding Virginia's conflict of law provisions. Notwithstanding the foregoing, with regard to derivative works based on Python 1.6.1 that incorporate non-separable material that was previously distributed under the GNU General Public License (GPL), the law of the Commonwealth of Virginia shall govern this License

Agreement only as to issues arising under or with respect to Paragraphs 4, 5, and 7 of this License Agreement. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between CNRI and Licensee. This License Agreement does not grant permission to use CNRI trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By clicking on the "ACCEPT" button where indicated, or by copying, installing or otherwise using Python 1.6.1, Licensee agrees to be bound by the terms and conditions of this License Agreement.

ACCEPT

CWI LICENSE AGREEMENT FOR PYTHON 0.9.0 THROUGH 1.2

Copyright (c) 1991 - 1995, Stichting Mathematisch Centrum Amsterdam, The Netherlands. All rights reserved.

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Stichting Mathematisch Centrum or CWI not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

STICHTING MATHEMATISCH CENTRUM DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL STICHTING MATHEMATISCH CENTRUM BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

ZERO-CLAUSE BSD LICENSE FOR CODE IN THE PYTHON DOCUMENTATION

Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Parisa: Adding copyrights

This is pvar = ["/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/typing_extensions-4.7.1.dist-info/METADATA",
"/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/typing_extensions-4.7.1.dist-info/RECORD",
"/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/typing_extensions-4.7.1.dist-info/INSTALLER",

```
typing-extensions version 4.15.0
<<<<<<<xilinx-separator>>>>>>>>
```

A. HISTORY OF THE SOFTWARE

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <https://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <https://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see <https://opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

Footnotes:

(1) GPL-compatible doesn't mean that we're distributing Python under

the GPL. All Python licenses, unlike the GPL, let you distribute a modified version without making your changes open source. The GPL-compatible licenses make it possible to combine Python with other software that is released under the GPL; the others don't.

- (2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

B. TERMS AND CONDITIONS FOR ACCESSING OR OTHERWISE USING PYTHON

Python software and documentation are licensed under the Python Software Foundation License Version 2.

Starting with Python 3.8.6, examples, recipes, and other code in the documentation are dual licensed under the PSF License Version 2 and the Zero-Clause BSD license.

Some software incorporated into Python is under different licenses. The licenses are listed with code falling under that license.

PYTHON SOFTWARE FOUNDATION LICENSE VERSION 2

1. This LICENSE AGREEMENT is between the Python Software Foundation ("PSF"), and the Individual or Organization ("Licensee") accessing and otherwise using this software ("Python") in source or binary form and its associated documentation.
2. Subject to the terms and conditions of this License Agreement, PSF hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python alone or in any derivative version, provided, however, that PSF's License Agreement and PSF's notice of copyright, i.e., "Copyright (c) 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023 Python Software Foundation; All Rights Reserved" are retained in Python alone or in any derivative version prepared by Licensee.
3. In the event Licensee prepares a derivative work that is based on or incorporates Python or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python.
4. PSF is making Python available to Licensee on an "AS IS" basis. PSF MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, PSF MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

5. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

7. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between PSF and Licensee. This License Agreement does not grant permission to use PSF trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By copying, installing or otherwise using Python, Licensee agrees to be bound by the terms and conditions of this License Agreement.

BEOPEN.COM LICENSE AGREEMENT FOR PYTHON 2.0

BEOPEN PYTHON OPEN SOURCE LICENSE AGREEMENT VERSION 1

1. This LICENSE AGREEMENT is between BeOpen.com ("BeOpen"), having an office at 160 Saratoga Avenue, Santa Clara, CA 95051, and the Individual or Organization ("Licensee") accessing and otherwise using this software in source or binary form and its associated documentation ("the Software").

2. Subject to the terms and conditions of this BeOpen Python License Agreement, BeOpen hereby grants Licensee a non-exclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use the Software alone or in any derivative version, provided, however, that the BeOpen Python License is retained in the Software, alone or in any derivative version prepared by Licensee.

3. BeOpen is making the Software available to Licensee on an "AS IS" basis. BEOPEN MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, BEOPEN MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

4. BEOPEN SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF THE SOFTWARE FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF USING, MODIFYING OR DISTRIBUTING THE SOFTWARE, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

5. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

6. This License Agreement shall be governed by and interpreted in all respects by the law of the State of California, excluding conflict of law provisions. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture

between BeOpen and Licensee. This License Agreement does not grant permission to use BeOpen trademarks or trade names in a trademark sense to endorse or promote products or services of Licensee, or any third party. As an exception, the "BeOpen Python" logos available at <http://www.pythonlabs.com/logos.html> may be used according to the permissions granted on that web page.

7. By copying, installing or otherwise using the software, Licensee agrees to be bound by the terms and conditions of this License Agreement.

CNRI LICENSE AGREEMENT FOR PYTHON 1.6.1

1. This LICENSE AGREEMENT is between the Corporation for National Research Initiatives, having an office at 1895 Preston White Drive, Reston, VA 20191 ("CNRI"), and the Individual or Organization ("Licensee") accessing and otherwise using Python 1.6.1 software in source or binary form and its associated documentation.

2. Subject to the terms and conditions of this License Agreement, CNRI hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python 1.6.1 alone or in any derivative version, provided, however, that CNRI's License Agreement and CNRI's notice of copyright, i.e., "Copyright (c) 1995-2001 Corporation for National Research Initiatives; All Rights Reserved" are retained in Python 1.6.1 alone or in any derivative version prepared by Licensee. Alternately, in lieu of CNRI's License Agreement, Licensee may substitute the following text (omitting the quotes): "Python 1.6.1 is made available subject to the terms and conditions in CNRI's License Agreement. This Agreement together with Python 1.6.1 may be located on the internet using the following unique, persistent identifier (known as a handle): 1895.22/1013. This Agreement may also be obtained from a proxy server on the internet using the following URL: <http://hdl.handle.net/1895.22/1013>".

3. In the event Licensee prepares a derivative work that is based on or incorporates Python 1.6.1 or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python 1.6.1.

4. CNRI is making Python 1.6.1 available to Licensee on an "AS IS" basis. CNRI MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, CNRI MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON 1.6.1 WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

5. CNRI SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON 1.6.1 FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON 1.6.1, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

7. This License Agreement shall be governed by the federal intellectual property law of the United States, including without limitation the federal copyright law, and, to the extent such U.S. federal law does not apply, by the law of the Commonwealth of Virginia, excluding Virginia's conflict of law provisions. Notwithstanding the foregoing, with regard to derivative works based on Python 1.6.1 that incorporate non-separable material that was previously distributed under the GNU General Public License (GPL), the law of the Commonwealth of Virginia shall govern this License Agreement only as to issues arising under or with respect to Paragraphs 4, 5, and 7 of this License Agreement. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between CNRI and Licensee. This License Agreement does not grant permission to use CNRI trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By clicking on the "ACCEPT" button where indicated, or by copying, installing or otherwise using Python 1.6.1, Licensee agrees to be bound by the terms and conditions of this License Agreement.

ACCEPT

CWI LICENSE AGREEMENT FOR PYTHON 0.9.0 THROUGH 1.2

Copyright (c) 1991 - 1995, Stichting Mathematisch Centrum Amsterdam, The Netherlands. All rights reserved.

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Stichting Mathematisch Centrum or CWI not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

STICHTING MATHEMATISCH CENTRUM DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL STICHTING MATHEMATISCH CENTRUM BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

ZERO-CLAUSE BSD LICENSE FOR CODE IN THE PYTHON DOCUMENTATION

Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM

[Public]

LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Parisa: Adding copyrights

```
This is pvar = ["/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/typing_extensions-4.7.1.dist-info/METADATA",
"/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/typing_extensions-4.7.1.dist-info/RECORD",
"/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/typing_extensions-4.7.1.dist-info/INSTALLER",
"/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/typing_extensions-4.7.1.dist-info/LICENSE",
"/apps/flexera/scanroot/vivado-extras/cs_server_stuff/3rd_party/typing_extensions-4.7.1.dist-info/WHEEL"]
```

Copyright (c) 1991 - 1995 Stichting Mathematisch Centrum Amsterdam The Netherlands. All rights reserved.
Copyright (c) 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022
2023 Python Software Foundation All Rights Reserved are retained in Python alone or in any derivative version
Copyright (c) 1995-2001 Corporation for National Research Initiatives All Rights Reserved are retained in Python

```
tzdata version 2024.2
<<<<<<<xilinx-separator>>>>>>>>
```

Apache Software License 2.0

Copyright (c) 2020, Paul Ganssle (Google)

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Copyright (c) 2020 Paul Ganssle
Copyright statement to Your modifications and

```
uri-template version 1.3.0
<<<<<<<xilinx-separator>>>>>>>>
```

MIT License

Copyright (c) 2020 Peter Linss

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

```
urllib3 version 2.5.0
<<<<<<<xilinx-separator>>>>>>>>
```

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice (including the next paragraph) shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Visual C++ Redistributable for Visual Studio version 14.32.31326.0

<<<<<<<<xilinx-separator>>>>>>>>

MICROSOFT SOFTWARE LICENSE TERMS

MICROSOFT VISUAL STUDIO ENTERPRISE 2019, VISUAL STUDIO PROFESSIONAL 2019,
VISUAL STUDIO TEST PROFESSIONAL 2019 AND TRIAL EDITION

These license terms are an agreement between you and Microsoft Corporation (or based on where you live, one of its affiliates). They apply to the software named above. The terms also apply to any Microsoft services and updates for the software, except to the extent those have different terms.

BY USING THE SOFTWARE, YOU ACCEPT THESE TERMS. IF YOU DO NOT ACCEPT THEM, DO NOT USE THE SOFTWARE. INSTEAD, RETURN IT TO THE RETAILER FOR A REFUND OR CREDIT. If you cannot obtain a refund there, contact Microsoft about Microsoft's refund policies. See www.microsoft.com/worldwide. In the United States and Canada, call (800) MICROSOFT or see aka.ms/nareturns.

TRIAL EDITION USE RIGHTS. If you have not acquired a valid full-use license, the software is a trial edition, and this Section applies to your use of the trial edition.

A. GENERAL. You may use any number of copies of the trial edition on your devices. You may only use the trial edition for internal evaluation purposes, and only during the trial period. You may not distribute or deploy any applications you make with the trial edition to a production environment. You may run load tests of up to 250 virtual users during the trial period.

B. TRIAL PERIOD AND CONVERSION. The trial period lasts for 30 days after you install the trial edition, plus any permitted extension period. After the expiration of the trial period, the trial edition will stop running. You may extend the trial period an additional 90 days if you sign in to the software. You may not be able to access data used with the trial edition after it stops running. You may convert your trial rights at any time to the full-use rights described below by acquiring a valid full-use license.

C. DISCLAIMER OF WARRANTY. THE TRIAL EDITION IS LICENSED "AS-IS". YOU BEAR THE RISK OF USING IT. MICROSOFT GIVES NO EXPRESS WARRANTIES, GUARANTEES OR CONDITIONS. TO THE EXTENT PERMITTED UNDER YOUR LOCAL LAWS, MICROSOFT EXCLUDES THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT. FOR AUSTRALIA "YOU HAVE STATUTORY GUARANTEES UNDER THE AUSTRALIAN CONSUMER LAW AND NOTHING IN THESE TERMS IS INTENDED TO AFFECT THOSE RIGHTS."

D. SUPPORT. Because the trial edition is ?as is?, we may not provide support services for it.

E. LIMITATIONS ON DAMAGES. YOU CAN RECOVER FROM MICROSOFT AND ITS SUPPLIERS ONLY DIRECT DAMAGES UP TO U.S. \$5.00. YOU CANNOT RECOVER ANY OTHER DAMAGES, INCLUDING CONSEQUENTIAL, LOST PROFITS, SPECIAL, INDIRECT OR INCIDENTAL DAMAGES.

This limitation applies to (a) anything related to the trial version, services, content (including code) on third party Internet sites, or third party programs; and (b) claims for breach of contract, breach of warranty, guarantee or condition, strict liability, negligence, or other tort to the extent permitted by applicable law.

It also applies even if Microsoft knew or should have known about the possibility of the damages. The above limitation or exclusion may not apply to you because your country may not allow the exclusion or limitation of incidental, consequential or other damages.

FULL-USE LICENSE TERMS FOR THE SOFTWARE: When you acquire a valid license and either enter a product key or sign in to the software, the terms below apply. You may not share your product key or access credentials.

1. OVERVIEW.

a. Software. The software includes development tools, applications, and documentation.

b. License Model. The software is licensed on a per user basis.

2. USE RIGHTS.

a. General. One user may use copies of the software on your devices to develop and test applications. This includes using copies of the software on your own internal servers that remain fully dedicated to your own use. You may not, however, separate the components of the software (except as otherwise stated in this agreement) and run those in a production environment, or on third party devices, or for any purpose other than developing and testing your applications. Running the software on Microsoft Azure may require separate online usage fees.

b. Workloads. These license terms apply to your use of the workloads made available to you within the software, except to the extent a workload or a workload component comes with different license terms and support policies.

c. Backup copy. You may make one backup copy of the software, for reinstalling the software.

d. Online Services in the Software. Some features of the software make use of online services to provide you with information about updates to the software or extensions, or to enable you to retrieve content, collaborate with others, or otherwise supplement your development experience. As used throughout this agreement, the term ?software? includes these online service features.

e. Demo Use. The use rights permitted above include using the software to demonstrate your applications.

3. TERMS FOR SPECIFIC COMPONENTS.

a. Utilities. The software contains items on the Utilities List at <https://aka.ms/vs/16/utilities>. You may copy and install those items onto your devices to debug and deploy your applications and databases you developed with the software. The Utilities are designed for temporary use. Microsoft may not be able to patch or update Utilities separately from the rest of the software. Some Utilities by their nature may make it possible for others to access the devices on which the Utilities are installed. You should delete all Utilities you have installed after you finish debugging or deploying your applications and databases. Microsoft is not responsible for any third party use or access of devices, or of the applications or databases on devices, on which Utilities have been installed.

b. Build Devices and Visual Studio Build Tools. You may copy and install files from the software or from Visual Studio Build Tools onto your build devices, including physical devices and virtual machines or containers on those machines, whether on-premises or remote machines that are owned by you, hosted on Microsoft Azure for you, or dedicated solely to your use (collectively, ?Build Devices?). You and others in your organization may use these files on your Build Devices solely to compile, build, and verify applications developed by using the software, or run quality or performance tests of those applications as part of the build process.

c. Font Components. While the software is running, you may use its fonts to display and print content. You may only: (i) embed fonts in content as permitted by the embedding restrictions in the fonts; and (ii) temporarily download them to a printer or other output device to help print content.

d. Licenses for Other Components.

* Microsoft Platforms. The software may include components from Microsoft Windows, Microsoft Windows Server, Microsoft SQL Server, Microsoft Exchange, Microsoft Office, or Microsoft SharePoint. These components are governed by separate agreements and their own product support policies, as described in the Microsoft ?Licenses? folder accompanying the software, except that, if separate license terms for those components are included in the associated installation directly, those license terms control.

* Third Party Components. The software may include third party components with separate legal notices or governed by other agreements, as may be described in the ThirdPartyNotices file(s) accompanying the software.

e. Package Managers. The software includes package managers, like NuGet, that give you the option to download other Microsoft and third party software packages to use with your applications. Those packages are under their own licenses, and not these license terms. Microsoft does not distribute, license or provide any warranties for any of the third party packages.

4. DISTRIBUTABLE CODE. The software contains code that you are permitted to distribute in applications you develop as described in this Section. For purposes of this Section 4, the term ?distribution? also means deployment of your applications for third parties to access over the Internet.

a. Right to Use and Distribute. The code and text files listed below are ?Distributable Code?.

* Distributable List. You may copy and distribute the object code form of code listed on the Distributable List located at <https://aka.ms/vs/16/redistribution>.

* Sample Code, Templates, and Styles. You may copy, modify, and distribute the source and object code form of code marked as ?sample?, ?template?, ?simple styles?, and ?sketch styles?.

* Third Party Distribution. You may permit distributors of your applications to copy and distribute the Distributable Code as part of those applications.

b. Distribution Requirements. For any Distributable Code you distribute, you must:

* add significant primary functionality to it in your applications;

* require distributors and external end users to agree to terms that protect the Distributable Code at least as much as this agreement; and

* indemnify, defend, and hold harmless Microsoft from any claims, including attorneys' fees, related to the distribution or use of your applications, except to the extent that any claim is based solely on the Distributable Code.

c. Distribution Restrictions. You may not:

* use Microsoft's trademarks in your applications' names or in a way that suggests your applications come from or are endorsed by Microsoft; or

* modify or distribute the source code of any Distributable Code so that any part of it becomes subject to an Excluded License. An Excluded License is one that requires, as a condition of use, modification or distribution of code, that (i) it be disclosed or distributed in source code form; or (ii) others have the right to modify it.

5. DEVELOPING EXTENSIONS.

a. Limits on Extensions. You may not develop or enable others to develop extensions for the software (or any other component of the Visual Studio family of products) which circumvent the technical limitations implemented in the software. If Microsoft technically limits or disables extensibility for the software, you may not extend the software by, among other things, loading or injecting into the software any non-Microsoft add-ins, macros, or packages; modifying the software registry settings; or adding features or functionality equivalent to that found in the Visual Studio family of products.

b. No Degrading the Software. If you develop an extension for the software (or any other component of the Visual Studio family of products), you must test the installation, uninstallation, and operation of your extension to ensure that such processes do not disable any features or adversely affect the functionality of the software (or such component) or of any previous version or edition of thereof.

6. DATA.

a. Data Collection. The software may collect information about you and your use of the software, and send that to Microsoft. Microsoft may use this information to provide services and improve our products and services. You may opt out of many of these scenarios, but not all, as described in the software documentation. There are also some features in the software that may enable you and Microsoft to collect data from users of your applications. If you use these features, you must comply with applicable law, including providing appropriate notices to users of your applications together with Microsoft's privacy statement. Our privacy statement is located at <https://go.microsoft.com/fwlink/?LinkID=824704>. You can learn more about data collection and its use from the software documentation and our privacy statement. Your use of the software operates as your consent to these practices.

b. Processing of Personal Data. To the extent Microsoft is a processor or subprocessor of personal data in connection with the software, Microsoft makes the commitments in the European Union General Data Protection Regulation Terms of the Online Services Terms to all customers effective May 25, 2018, at <https://docs.microsoft.com/en-us/legal/gdpr>.

7. SCOPE OF LICENSE. The software is licensed, not sold. These license terms only give you some rights to use the software. Microsoft reserves all other rights. Unless applicable law gives you more rights despite this limitation, you may use the software only as expressly permitted in these license terms. In doing so, you must comply with any technical limitations in the software that only allow you to use it in certain ways. In addition, you may not:

* work around any technical limitations in the software;

* reverse engineer, decompile or disassemble the software, or otherwise attempt to derive the source code for the software, except and to the extent required by third party licensing terms governing use of certain open source components that may be included in the software;

* remove, minimize, block, or modify any notices of Microsoft or its suppliers in the software;

* use the software in any way that is against the law;

* share, publish, rent, or lease the software; or

* provide the software as a stand-alone offering or combine it with any of your applications for others to use.

8. NOT FOR RESALE SOFTWARE. You may not sell the software if it is marked as ?NFR? or ?Not for Resale?.

9. PREVIOUS VERSIONS OR OTHER EDITIONS. These license terms do not supersede your right to use validly licensed previous versions or other editions of the software. You may use the software and those previous versions or other editions of the software concurrently.

10. PROOF OF LICENSE. If you acquired the software on a disc or other media, your proof of license is the Microsoft certificate of authenticity label, the accompanying product key, and your receipt. If you purchased an online copy of the software, your proof of

license is the Microsoft product key you received with your purchase and your receipt and/or being able to access the software service through your Microsoft account. To identify genuine Microsoft software, see www.howtotell.com.

11. **TRANSFER TO A THIRD PARTY.** If you are a valid licensee of the software, you may transfer it and this agreement directly to another party. Before the transfer, that party must agree that these license terms apply to the transfer and use of the software. The transfer must include the software, this agreement, the genuine Microsoft product key, and (if applicable) the Proof of License label. The transferor must uninstall all copies of the software after transferring it from the device. The transferor may not retain any copies of the genuine Microsoft product key to be transferred, and may only retain copies of the software if otherwise licensed to do so. If you have acquired a non-perpetual license to use the software or if the software is marked Not for Resale you may not transfer the software or the software license agreement to another party.

12. **EXPORT RESTRICTIONS.** You must comply with all domestic and international export laws and regulations that apply to the software, which include restrictions on destinations, end users, and end use. For further information on export restrictions, visit www.microsoft.com/exporting.

13. **SUPPORT.** Microsoft provides support for the software as described at <https://support.microsoft.com>.

14. **ENTIRE AGREEMENT.** These license terms (including the warranty below), and the terms for supplements, updates, Internet-based services, and support services, are the entire agreement for the software and support services.

15. **APPLICABLE LAW.** If you acquired the software in the United States, Washington State law applies to interpretation of and claims for breach of this agreement, and the laws of the state where you live apply to all other claims. If you acquire the software in any other country, its laws apply.

16. **CONSUMER RIGHTS; REGIONAL VARIATIONS.** These license terms describe certain legal rights. You may have other rights, including consumer rights, under the laws of your state or country. You may also have rights with respect to the party from which you acquired the software. This agreement does not change those other rights if the laws of your state or country do not permit it to do so. For example, if you acquired the software in one of the below regions, or if mandatory country law applies, then the following provisions apply to you:

a) **Australia.** References to "Limited Warranty" are references to the express warranty provided by Microsoft. This warranty is given in addition to other rights and remedies you may have under law, including your rights and remedies in accordance with the statutory guarantees in the Australian Consumer Law.

In this section, "goods" refers to the software for which Microsoft provides the express warranty. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

b) **Canada.** You may stop receiving updates on your device by turning off Internet access. If and when you re-connect to the Internet, the software will resume checking for and installing updates.

c) **Germany and Austria.**

(i) **Warranty.** The properly licensed software will perform substantially as described in any Microsoft materials that accompany the software. However, Microsoft gives no contractual guarantee in relation to the software.

(ii) **Limitation of Liability.** In case of intentional conduct, gross negligence, claims based on the Product Liability Act, as well as, in the case of death or personal or physical injury, Microsoft is liable according to the statutory law.

Subject to the preceding sentence (ii), Microsoft will only be liable for slight negligence if Microsoft is in breach of such material contractual obligations, the fulfillment of which facilitate the due performance of this agreement, the breach of which would endanger the purpose of this agreement and the compliance with which a party may constantly trust in (so-called "cardinal obligations"). In other cases of slight negligence, Microsoft will not be liable for slight negligence.

LIMITED WARRANTY

Microsoft warrants that properly licensed software will perform substantially as described in any Microsoft materials that accompany the software. This limited warranty does not cover problems that you cause, that arise when you fail to follow instructions, or that are caused by events beyond Microsoft's reasonable control. The limited warranty starts when the first user acquires the software, and lasts for one year. Any supplements, updates, or replacement software that you may receive from Microsoft during that year are also covered, but only for the remainder of that one-year period or for 30 days, whichever is longer. Transferring the software will not extend the limited warranty.

Microsoft gives no other express warranties, guarantees, or conditions. Microsoft excludes all implied warranties and conditions, including those of merchantability, fitness for a particular purpose, and non-infringement. If your local law does not allow the exclusion of implied warranties, then any implied warranties, guarantees, or conditions last only during the term of the limited warranty and are limited as much as your local law allows. If your local law requires a longer limited warranty term, despite this agreement, then that longer term will apply, but you can recover only the remedies this agreement allows.

If Microsoft breaches its limited warranty, it will, at its election, either: (i) repair or replace the software at no charge, or (ii) accept return of the software (or at its election the Microsoft branded device on which the software was preinstalled) for a refund of the

For service or a refund, you must provide a copy of your proof of purchase and comply with Microsoft's return policies, which might require you to uninstall the software and return it to Microsoft or return the software with the entire Microsoft branded device on which the software is installed; the certificate of authenticity label including the product key (if provided with your device) must remain affixed.

1. United States and Canada. For limited warranty service or information about how to obtain a refund for software acquired in the United States or Canada, contact Microsoft via telephone at (800) MICROSOFT; via mail at Microsoft Customer Service and Support, One Microsoft Way, Redmond, WA 98052-6399; or visit (aka.ms/nareturns).
2. Europe, Middle East, and Africa. If you acquired the software in Europe, the Middle East, or Africa, Microsoft Ireland Operations Limited makes the limited warranty. To make a claim under the limited warranty, you must contact either Microsoft Ireland Operations Limited, Customer Care Centre, Atrium Building Block B, Carmanhall Road, Sandford Industrial Estate, Dublin 18, Ireland, or the Microsoft affiliate serving your country (aka.ms/msoffices).
3. Australia. If you acquired the software in Australia, contact Microsoft to make a claim at 13 20 58; or Microsoft Pty Ltd, 1 Epping Road, North Ryde NSW 2113 Australia.
4. Other countries. If you acquired the software in another country, contact the Microsoft affiliate serving your country (aka.ms/msoffices).

EULAIID: VS_2019_ENU.1033

```
wcwidth version 0.2.13
<<<<<<<xilinx-separator>>>>>>>>
```

The text of the MIT License, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s)

Copyright 2014 Jeff Quast <contact@jeffquast.com>

```
wcwidth version 0.2.5
<<<<<<<xilinx-separator>>>>>>>>
```

the MIT License (MIT)

Copyright (c) 2014 Jeff Quast <contact@jeffquast.com>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 2012 by Simon Sapin.
Some rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * The names of the contributors may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

apache License
 Version 2.0, January 2004
<http://www.apache.org/licenses/>

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.
3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.
4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:
 - (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and
 - (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
 - (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
 - (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and

may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]"

replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright 2024 engn33r

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

widgetsnbextension version 3.5.2

```
<<<<<<<xilinx-separator>>>>>>>>
```

Copyright (c) 2015 Project Jupyter Contributors
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

[Public]

FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 2015 Project Jupyter Contributors
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

```
win32-setctime version 1.0.3
<<<<<<<xilinx-separator>>>>>>>
```

The text of the MIT license, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

Copyright (c) 2019 Delgan

```
win32-setctime version 1.1.0
<<<<<<<xilinx-separator>>>>>>>
```

The text of the MIT license, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

Copyright (c) 2019 Delgan

```
wrapt version 1.17.3
<<<<<<<xilinx-separator>>>>>>>>
```

Copyright (c) 2013-2023, Graham Dumpleton
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

```
xerces-c version 3.2.3
<<<<<<<xilinx-separator>>>>>>>
```

The text of the Apache License, Version 2.0, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

```
>>> GPL with exception
# libtool (GNU libtool) 2.4.6
# Provide generalized library-building support services.
# Written by Gordon Matzigkeit <gord@gnu.ai.mit.edu>, 1996

# Copyright (C) 1996-2015 Free Software Foundation, Inc.
# This is free software; see the source for copying conditions.  There is NO
# warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

# GNU Libtool is free software; you can redistribute it and/or modify
# it under the terms of the GNU General Public License as published by
# the Free Software Foundation; either version 2 of the License, or
```

[Public]

```
# (at your option) any later version.
#
# As a special exception to the GNU General Public License,
# if you distribute this file as part of a program or library that
# is built using GNU Libtool, you may include this file under the
# same distribution terms that you use for the rest of that program.
#
# GNU Libtool is distributed in the hope that it will be useful, but
# WITHOUT ANY WARRANTY; without even the implied warranty of
# MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
# General Public License for more details.
#
# You should have received a copy of the GNU General Public License
# along with this program. If not, see <http://www.gnu.org/licenses/>.
```

```
>>>> Doc/html
JavaScript code in this file.
```

Copyright (C) 1997-2019 by Dimitri van Heesch

This program is free software; you can redistribute it and/or modify it under the terms of version 2 of the GNU General Public License as published by the Free Software Foundation

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

```
@licend The above is the entire license notice
for the JavaScript code in this file
*/
```

```
>>>> GPL v3.0 with Exception
# This file is free software; you can redistribute it and/or modify it
# under the terms of the GNU General Public License as published by
# the Free Software Foundation; either version 3 of the License, or
# (at your option) any later version.
#
# This program is distributed in the hope that it will be useful, but
# WITHOUT ANY WARRANTY; without even the implied warranty of
# MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
# General Public License for more details.
#
# You should have received a copy of the GNU General Public License
# along with this program; if not, see <https://www.gnu.org/licenses/>.
#
# As a special exception to the GNU General Public License, if you
# distribute this file as part of a program that contains a
# configuration script generated by Autoconf, you may include it under
# the same distribution terms that you use for the rest of that
# program. This Exception is an additional permission under section 7
# of the GNU General Public License, version 3 ("GPLv3").
#
```

Originally written by Per Bothner; maintained since 2000 by Ben Elliston.

Copyright 1997-2019 Dimitri van Heesch
Copyright 1996-2015 Free Software Foundation Inc. Written by Gordon Matzigkeit
Copyright 2015 Open Microscopy Environment University of Dundee Written by Roger Leigh <rleigh@codelibre.net>
Copyright (c) 2018 Steven Benner
Copyright 2014-2016 University of Dundee
Copyright (c) 2007 Ariel Flesler - aflesler
Copyright 1994 X Consortium
Copyright 1986 International Organization for Standardization
Copyright 1999 IBM Corp
Copyright Copyright 1999-2018 Apache Software Foundation subject to licensing terms
Copyright 2004-2015 Free Software Foundation Inc. Written by Gary V. Vaughan
Copyright (C) 1996-2018 Free Software Foundation Inc. Originally written by Fran cois Pinard <pinard@iro.umontreal.ca>
Copyright 2004-2015 Free Software Foundation Inc. Written by Scott James Remnant
Copyright 1999-2017 The Apache Software Foundation
Copyright 1992-2018 Free Software Foundation Inc
Copyright (C) 1999-2018 Free Software Foundation Inc. Written by Tom Tromey <tromey@cygnus.com>.

```
xgboost version 0.82
<<<<<<<xilinx-separator>>>>>>>
```

```

/*!
* Copyright 2018 XGBoost contributors
* \brief span class based on ISO++20 span
*
* About NOLINTs in this file:
*
* If we want Span to work with std interface, like range for loop, the
* naming must be consistant with std, not XGBoost. Also, the interface also
* conflicts with XGBoost coding style, specifically, the use of `explicit'
* keyword.
*
* Some of the code is copied from Guidelines Support Library, here is the
* license:
*
* Copyright (c) 2015 Microsoft Corporation. All rights reserved.
*
* This code is licensed under the MIT License (MIT).
*
* THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
* IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
* FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
* AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
* LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
* OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN
* THE SOFTWARE.
*/

```

>>> Main License

Apache License
Version 2.0, January 2004

<http://www.apache.org/licenses/>

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

- (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and
- (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
- (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
- (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside

or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. **Submission of Contributions.** Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.
6. **Trademarks.** This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.
7. **Disclaimer of Warranty.** Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.
8. **Limitation of Liability.** In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.
9. **Accepting Warranty or Additional Liability.** While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "{}" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright (c) 2018 by Contributors

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

Copyright 2017-2018 XGBoost contributors
Copyright 2015-2018 by Contributors file regression
Copyright 2014, 2017-2018 Contributors
Copyright 2014 by Contributors file bitmap.
Copyright 2014 by Contributors file group
Copyright 2018 Contributors author Rory Mitchell
Copyright 2017 by Contributors file compressed
Copyright 2015 Contributors file memory
Copyright 2014, 2017-2018 Contributors file updater
Copyright 2015 by Contributors file objective.cc brief Registry of all objective functions.
Copyright (c) 2015 by Contributors file json.
Copyright (c) 2015 by Contributors file parameter.
Copyright 2018 by Contributors file hinge.cc brief Provides an implementation of the hinge loss function
Copyright (c) 2014 by Contributors file rabbit.
Copyright (c) 2014 by Contributors file page
Copyright 2015 by Contributors file gbm.cc brief Registry of gradient boosters.
Copyright (c) 2014 by Contributors file serializable.
Copyright 2015-2018 by Contributors file common.cc brief Enable all kinds of global variables in common.
Copyright (c) 2016 by Contributors file lua.
Copyright (c) 2016 by Contributors file any.
Copyright 2015 Contributors file type
Copyright 2015 by Contributors file random.
Copyright 2014 by Contributors file learner.cc brief Implementation of learning algorithm.
Copyright (c) 2014-2019 by Contributors file rabbit-inl.
Copyright 2015 by Contributors file math.
Copyright 2014-2015 Contributors file simple
Copyright 2018 XGBoost contributors brief span class based on ISO
Copyright 2014 by Contributors file gbm.cc brief gradient boosted tree implementation.
Copyright (c) 2015 by Contributors file omp.
Copyright (c) 2016 by Contributors file input

Copyright (c) 2014 by Contributors file utils.
Copyright (c) 2015 by Contributors file threadediter.
Copyright 2014 by Contributors file gblinear.cc brief Implementation of Linear booster with
Copyright 2017-2019 Contributors file hist
Copyright 2014-2015 Contributors file tree
Copyright 2014 by Contributors define
Copyright 2015-2018 by Contributors file multi
Copyright 2018 by Contributors file enum
Copyright 2015 Contributors file
Copyright (c) 2018 by Contributors file filesystem.
Copyright 2015 Contributors file base
Copyright (c) 2016 by Contributors file optional.
Copyright 2015 by Contributors file rank.cc brief Definition of rank loss.
Copyright 2015-2018 Contributors file common
Copyright 2015 by Contributors file multiclass
Copyright 2014 by Contributors file feature
Copyright 2014-2015 Contributors file config
Copyright 2014-2019 Contributors file timer
Copyright 2014, 2018 Contributors file param
Copyright 2018 Contributors file split
Copyright 2015 by Contributors file data.cc
Copyright 2014 by Contributors file quantile.
Copyright 2017 by Contributors file row
Copyright (c) 2015 Microsoft Corporation. All rights reserved.
Copyright 2014-2015 Contributors file sparse
Copyright 2015 Contributors file logging
Copyright (c) 2015 by Contributors file recordio.
Copyright (c) 2014 by Contributors file engine.
Copyright 2015 Contributors file serializer
Copyright (c) 2015 Jeff Preshing
Copyright (c) 2015 by Contributors file registry.
Copyright 2018-2019 Contributors file build
Copyright 2017 by Contributors file column
Copyright (c) 2017 by Contributors file endian.
Copyright 2014 by Contributors file base64.
Copyright (c) 2016 by Contributors file array
Copyright (c) 2015-2018 by Contributors file strtonum.
Copyright (c) 2013-2016 Cameron Desrochers. All rights reserved.
Copyright 2015, 2017 Contributors file thread
Copyright 2015 Contributors file data
Copyright 2015-2018 by Contributors file elementwise
Copyright 2015-2018 by Contributors file logging.cc brief Implementation of loggers.
Copyright 2015 by Contributors file learner.
Copyright 2015 by Contributors file rank
Copyright 2014 by Contributors file cli
Copyright 2014-2015, 2018 Contributors file metric
Copyright (c) 2015 by Contributors file concurrency.
Copyright 2018 by Contributors author Tianqi Chen Rory Mitchell
Copyright 2014-2015 Contributors file io
Copyright 2014 by Contributors file objective.

z3 version 4.8.5

<<<<<<<<xilinx-separator>>>>>>>>>

Copyright (c) Microsoft Corporation
All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED *AS IS*, WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

© 2020 GitHub, Inc.

Copyright (c) 2017 Arie Gurfinkel
Copyright (c) 2015 Microsoft Corporation --
Copyright 2007, 2011-2013, 2015 Microsoft Corp

```
zip4j version 2.2.1
<<<<<<<xilinx-separator>>>>>>>
```

```
https://github.com/srikanth-lingala/zip4j
<dependency>
  <groupId>net.lingala.zip4j</groupId>
  <artifactId>zip4j</artifactId>
  <version>2.2.1</version>
</dependency>

>>>>
```

Apache License
Version 2.0, January 2004
<http://www.apache.org/licenses/>

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity

exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You

institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

- (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and
- (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
- (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
- (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor,

except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software

[Public]

distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

zipp version 3.4.0

```
<<<<<<<xilinx-separator>>>>>>>>
```

The text of the MIT license, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

zipp version 3.6.0

```
<<<<<<<xilinx-separator>>>>>>>>
```

Copyright Jason R. Coombs

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

zipp version 3.8.1

```
<<<<<<<xilinx-separator>>>>>>>>
```

Copyright Jason R. Coombs

The text of the MIT license, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

Part Four: Certain Third-Party Template Licenses.

Index:

Apache License, version 2.0
 <<<<<<<<xilinx-separator>>>>>>>>
 Apache License
 Version 2.0, January 2004
<http://www.apache.org/licenses/>

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s)

with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

- (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and
- (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
- (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
- (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade

names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

CENTERPOINT PUBLIC LICENSE
Version 1.0

1.0. "Commercial Use" means distribution or otherwise making the Covered Code available to a third party.

1.1. "Contributor" means each entity that creates or contributes to the creation of Modifications.

1.2. "Contributor Version" means the combination of the Original Code, prior Modifications used by a Contributor, and the Modifications made by that particular Contributor.

1.3. "Covered Code" means the Original Code or Modifications or the combination of the Original Code and Modifications, in each case including portions thereof.

1.4. "Electronic Distribution Mechanism" means a mechanism generally accepted in the software development community for the electronic transfer of data.

1.5. "Executable" means Covered Code in any form other than Source Code.

1.6. "Initial Developer" means the individual or entity identified as the Initial Developer in the Source Code notice required by Exhibit A.

1.7. "Larger Work" means a work which combines Covered Code or portions thereof with code not governed by the terms of this License.

1.8. "License" means this document.

1.9. "Licensable" means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.10. "Modifications" means any addition to or deletion from the substance or structure of either the Original Code or any previous Modifications. When Covered Code is released as a series of files, a Modification is:

- A. Any addition to or deletion from the contents of a file containing Original Code or previous Modifications.
- B. Any new file that contains any part of the Original Code or previous Modifications.

1.11. "Original Code" means Source Code of computer software code which is described in the Source Code notice required by Exhibit A as Original Code, and which, at the time of its release under this License is not already Covered Code governed by this License.

1.12. "Patent Claims" means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.13. "Source Code" means the preferred form of the Covered Code for making modifications to it, including all modules it contains, plus any associated interface definition files, scripts used to control compilation and installation of an Executable, or source code differential comparisons against either the Original Code or another well known, available Covered Code of the Contributor's choice. The Source Code can be in a compressed or archival form, provided the appropriate decompression or de-archiving software is widely available for no charge.

1.14. "You" (or "Your") means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License or a future version of this License issued under Section 6.1. For legal entities, "You" includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2.1. The Initial Developer Grant

(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer to use, reproduce, modify, display, perform, sublicense and distribute the Original Code (or portions thereof) with or without Modifications, and/or as part of a Larger Work; and

(b) under Patents Claims infringed by the making, using or selling of Original Code, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Code (or portions thereof).

(c) the licenses granted in this Section 2.1(a) and (b) are effective on the date Initial Developer first distributes Original Code under the terms of this License.

(d) Notwithstanding Section 2.1 (b) above, no patent license is granted: 1) for code that You delete from the Original Code; 2) separate from the Original Code; or 3) for infringements caused by: i) the modification of the Original Code or ii) the combination of the Original Code with other software or devices.

2.2. Contributor Grant

Subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor, to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof) either on an unmodified basis, with other Modifications, as Covered Code and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: 1) Modifications made by that Contributor (or portions thereof); and 2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) the licenses granted in Sections 2.2 (a) and 2.2 (b) are effective on the date Contributor first makes Commercial Use of the Covered Code.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted: 1) for any code that Contributor has deleted from the Contributor Version; 2) separate from the Contributor Version; 3) for infringements caused by: i) third party modifications of Contributor Version or ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or 4) under Patent Claims infringed by Covered Code in the absence of Modifications made by that Contributor.

3. Distribution Obligations

3.1. Application of License

The Modifications which You create or to which You contribute are governed by the terms of this License, including without limitation Section 2.2.

The Source Code version of Covered Code may be distributed only under the terms of this License or a future version of this License released under Section 6.1, and You must include a copy of this License with every copy of the Source Code You distribute. You may not offer or impose any terms on any Source Code version that alters or restricts the applicable version of this License or the recipients' rights hereunder. However, You may include an additional document offering the additional rights described in Section 3.5.

3.2. Availability of Source Code

Any Modification which You create or to which You contribute must be made available in Source Code form under the terms of this License either on the same media as an Executable version or via an accepted Electronic Distribution Mechanism to anyone to whom you made an Executable version available; and if made available via Electronic Distribution Mechanism, must remain available for at least twelve (12) months after the date it initially became available, or at least six (6) months after a subsequent version of that particular Modification has been made available to such recipients. You are responsible for ensuring that the Source Code version remains available even if the Electronic Distribution Mechanism is maintained by a third party.

3.3. Description of Modifications

You must cause all Covered Code to which You contribute to contain a file documenting the changes You made to create that Covered Code and the date of any change. You must include a prominent statement that the Modification is derived, directly or indirectly, from Original Code provided by the Initial Developer and including the name of the Initial Developer in (a) the Source Code, and (b) in any notice in an Executable version or related documentation in which You describe the origin or ownership of the Covered Code.

3.4. Intellectual Property Matters

(a) Third Party Claims

If Contributor has knowledge that a license under a third party's intellectual property rights is required to exercise the rights granted by such Contributor under Sections 2.1 or 2.2, Contributor must include a text file with the Source Code distribution titled "LEGAL" which describes the claim and the party making the claim in sufficient detail that a recipient will know whom to contact. If Contributor obtains such knowledge after the Modification is made available as described in Section 3.2, Contributor shall promptly modify the LEGAL file in all copies Contributor makes available thereafter and shall take other steps (such as notifying appropriate mailing lists or newsgroups) reasonably calculated to inform those who received the Covered Code that new knowledge has been obtained.

(b) Contributor APIs

If Contributor's Modifications include an application programming interface and Contributor has knowledge of patent licenses which are reasonably necessary to implement that API, Contributor must also include this information in the LEGAL file.

(c) Representations

Contributor represents that, except as disclosed pursuant to Section 3.4 (a) above, Contributor believes that Contributor's Modifications are Contributor's original creation(s) and/or Contributor has sufficient rights to grant the rights conveyed by this License.

3.5. Required Notices

You must duplicate the notice in Exhibit A in each file of the Source Code. If it is not possible to put such notice in a particular Source Code file due to its structure, then You must include such notice in a location (such as a relevant directory) where a user would be likely to look for such a notice. If You created one or more Modification(s) You may add your name as a Contributor to the notice described in Exhibit A. You must also duplicate this License in any documentation for the Source Code where You describe recipients' rights or ownership rights relating to Covered Code. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Code. However, You may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear than any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.6. Distribution of Executable Versions

You may distribute Covered Code in Executable form only if the requirements of Section 3.1-3.5 have been met for that Covered Code, and if You include a notice stating that the Source Code version of the Covered Code is available under the terms of this License, including a description of how and where You have fulfilled the obligations of Section 3.2.

The notice must be conspicuously included in any notice in an Executable version, related documentation or collateral in which You describe recipients' rights relating to the Covered Code. You may distribute the Executable version of Covered Code or ownership rights under a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable version does not attempt to limit or alter the recipient's rights in the Source Code version from the rights set forth in this License.

If You distribute the Executable version under a different license You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or any Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

3.7. Larger Works

You may create a Larger Work by combining Covered Code with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Code.

4. Inability to Comply Due to Statute or Regulation

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Code due to statute, judicial order, or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be included in the LEGAL file described in Section 3.4 and must be included with all distributions of the Source Code. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it.

5. Trademark Usage

5.1. Advertising Materials

All advertising materials mentioning features or use of the Governed Code must display the following acknowledgement: "This product includes software developed by CenterPoint - Connective Software Engineering GmbH."

5.2. Endorsements

The names "CenterPoint" and "CenterPoint - Connective Software Engineering GmbH." must not be used to endorse or promote Contributor Versions or Larger Works without the prior written permission of CenterPoint - Connective Software Engineering GmbH.

5.3. Product Names

Contributor Versions and Larger Works may not be called "CenterPoint" nor may the word "CenterPoint" appear in their names without prior written permission of CenterPoint - Connective Software Engineering GmbH.

6. Versions of the License

6.1. New Versions

CenterPoint - Connective Software Engineering GmbH. ("CenterPoint") may publish revised and/or new versions of the License from time to time. Each version will be given a distinguishing version number.

6.2. Effect of New Versions

Once Covered Code has been published under a particular version of the License, You may always continue to use it under the terms of that version. You may also choose to use such Covered Code under the terms of any subsequent version of the License published by CenterPoint. No one other than CenterPoint has the right to modify the terms applicable to Covered Code created under this License.

7. DISCLAIMER OF WARRANTY

COVERED CODE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED CODE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED CODE IS WITH YOU. SHOULD ANY COVERED CODE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED CODE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

8. TERMINATION

8.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. All sublicenses to the Covered Code which are properly granted shall survive any termination of this License. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

8.2. If You initiate litigation by asserting a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You file such action is referred to as "Participant") alleging that:

(a) such Participant's Contributor Version directly or indirectly infringes any patent, then any and all rights granted by such Participant to You under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively, unless if within 60 days after receipt of notice You either: (i) agree in writing to pay Participant a mutually agreeable reasonable royalty for Your past and future use of Modifications made by such Participant, or (ii) withdraw Your litigation claim with respect to the Contributor Version against such Participant. If within 60 days of notice, a reasonable royalty and payment arrangement are not mutually agreed upon in writing by the parties or the litigation claim is not withdrawn, the rights granted by Participant to You under Sections 2.1 and/or 2.2 automatically terminate at the expiration of the 60 day notice period specified above.

(b) any software, hardware, or device, other than such Participant's Contributor Version, directly or indirectly infringes any patent, then any rights granted to You by such Participant under Sections 2.1 (b) and 2.2 (b) are revoked effective as of the date You first made, used, sold, distributed, or had made, Modifications made by that Participant.

8.3. If You assert a patent infringement claim against Participant alleging that such Participant's Contributor Version directly or indirectly infringes any patent where such claim is resolved (such as by license or settlement) prior to the initiation of patent infringement litigation, then the reasonable value of the licenses granted by such Participant under Sections 2.1 or 2.2 shall be taken into account in determining the amount or value of any payment or license.

8.4. In the event of termination under Sections 8.1 or 8.2 above, all end user license agreements (excluding distributors and resellers) which have been validly granted by You or any distributor hereunder prior to termination shall survive termination.

9. LIMITATION OF LIABILITY

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED CODE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

10. U.S. GOVERNMENT END USERS

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This license shall be governed by the Laws of Austria. Disputes shall be settled by an Austrian Court. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

The contents of this file are subject to the CenterPoint Public License Version 1.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at <http://www.cpointc.com/CPL/>

Software distributed under the License is distributed on an "AS IS" basis, WITHOUT WARRANTY OF ANY KIND, either express or implied. See the License for the specific language governing rights and limitations under the License.

The Original Code is _____.

The Initial Developer of the Original Code is CenterPoint - Connective Software Engineering GmbH. Portions created by CenterPoint - Connective Software Engineering GmbH. are Copyright 1998-2000 CenterPoint - Connective Software Engineering GmbH. All Rights Reserved.

Contributor(s): _____

COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL) Version 1.1

<<<<<<<xilinx-separator>>>>>>>

COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL) Version 1.1

1. Definitions.

1.1. "Contributor" means each individual or entity that creates or contributes to the creation of Modifications.

1.2. "Contributor Version" means the combination of the Original Software, prior Modifications used by a Contributor (if any), and the Modifications made by that particular Contributor.

1.3. "Covered Software" means (a) the Original Software, or (b) Modifications, or (c) the combination of files containing Original Software with files containing Modifications, in each case including portions thereof.

1.4. "Executable" means the Covered Software in any form other than Source Code.

1.5. "Initial Developer" means the individual or entity that first makes Original Software available under this License.

1.6. "Larger Work" means a work which combines Covered Software or portions thereof with code not governed by the terms of this License.

1.7. "License" means this document.

1.8. "Licensable" means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. "Modifications" means the Source Code and Executable form of any of the following:

A. Any file that results from an addition to, deletion from or modification of the contents of a file containing Original Software or previous Modifications;

B. Any new file that contains any part of the Original Software or previous Modification; or

C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. "Original Software" means the Source Code and Executable form of computer software code that is originally released under this License.

1.11. "Patent Claims" means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12. "Source Code" means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13. "You" (or "Your") means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, "You" includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants.

2.1. The Initial Developer Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).

(c) The licenses granted in Sections 2.1(a) and (b) are effective on the date Initial Developer first distributes or otherwise makes the Original Software available to a third party under the terms of this License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted: (1) for code that You delete from the Original Software, or (2) for infringements caused by: (i) the modification of the Original Software, or (ii) the combination of the Original Software with other software or devices.

2.2. Contributor Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof), either on an unmodified basis, with other Modifications, as Covered Software and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: (1) Modifications made by that Contributor (or portions thereof); and (2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first distributes or otherwise makes the Modifications available to a third party.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted: (1) for any code that Contributor has deleted from the Contributor Version; (2) for infringements caused by: (i) third party modifications of Contributor Version, or (ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or (3) under Patent Claims infringed by Covered Software in the absence of Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Availability of Source Code.

Any Covered Software that You distribute or otherwise make available in Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a medium customarily used for software exchange.

3.2. Modifications.

The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.

You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.

You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients' rights hereunder. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, you may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.

You may distribute the Executable form of the Covered Software under the terms of this License or under the terms of a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable form does not attempt to limit or alter the recipient's rights in the Source Code form from the rights set forth in this License. If You distribute the Covered Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You

hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

3.6. Larger Works.

You may create a Larger Work by combining Covered Software with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Software.

4. Versions of the License.

4.1. New Versions.

Oracle is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.

You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.

When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a) rename the license and remove any references to the name of the license steward (except to note that the license differs from this License); and (b) otherwise make it clear that the license contains terms which differ from this License.

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED SOFTWARE IS WITH YOU. SHOULD ANY COVERED SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as "Participant") alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. If You assert a patent infringement claim against Participant alleging that the Participant Software directly or indirectly infringes any patent where such claim is resolved (such as by license or settlement) prior to the initiation of patent infringement litigation, then the reasonable value of the licenses granted by such Participant under Sections 2.1 or 2.2 shall be taken into account in determining the amount or value of any payment or license.

6.4. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

8. U.S. GOVERNMENT END USERS.

The Covered Software is a "commercial item," as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of "commercial computer software" (as that term is defined at 48 C.F.R. 252.227-7014(a)(1)) and "commercial computer software documentation" as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

9. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdiction's conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys' fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.

10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

NOTICE PURSUANT TO SECTION 9 OF THE COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)

The code released under the CDDL shall be governed by the laws of the State of California (excluding conflict-of-law provisions). Any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern District of California and the state courts of the State of California, with venue lying in Santa Clara County, California.

Common Public License 1.0

```
<<<<<<<xilinx-separator>>>>>>>>
```

Common Public License (CPL) -- V1.0

03 May 2005

Updated 16 Apr 2009

As of 25 Feb 2009, IBM has assigned the Agreement Steward role for the CPL to the Eclipse Foundation. Eclipse has designated the Eclipse Public License (EPL) as the follow-on version of the CPL.

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS COMMON PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

1. DEFINITIONS

"Contribution" means:

- a. in the case of the initial Contributor, the initial code and documentation distributed under this Agreement, and
- b. in the case of each subsequent Contributor:
 - i. changes to the Program, and
 - ii. additions to the Program:

where such changes and/or additions to the Program originate from and are distributed by that particular Contributor. A Contribution 'originates' from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. Contributions do not include additions to the Program which: (i) are separate modules of software distributed in conjunction with the Program under their own license agreement, and (ii) are not derivative works of the Program.

"Contributor" means any person or entity that distributes the Program.

"Licensed Patents " mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

"Program" means the Contributions distributed in accordance with this Agreement.

"Recipient" means anyone who receives the Program under this Agreement, including all Contributors.

2. GRANT OF RIGHTS

- a. Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and object code form.
- b. Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.
- c. Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each

Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d. Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

- a. it complies with the terms and conditions of this Agreement; and
- b. its license agreement:
 - i. effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;
 - ii. effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;
 - iii. states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and
 - iv. states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

When the Program is made available in source code form:

- a. it must be made available under this Agreement; and
- b. a copy of this Agreement must be included with each copy of the Program.

Contributors may not remove or alter any copyright notices contained within the Program.

Each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution.

4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against a Contributor with respect to a patent applicable to software (including a cross-claim or counterclaim in a lawsuit), then any patent licenses granted by that Contributor to such Recipient under this Agreement shall terminate as of the date such litigation is filed. In addition, if Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. IBM is the initial Agreement Steward. IBM may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.

This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.

Attribution-ShareAlike 2.5

CREATIVE COMMONS CORPORATION IS NOT A LAW FIRM AND DOES NOT PROVIDE LEGAL SERVICES. DISTRIBUTION OF THIS LICENSE DOES NOT CREATE AN ATTORNEY-CLIENT RELATIONSHIP. CREATIVE COMMONS PROVIDES THIS INFORMATION ON AN "AS-IS" BASIS. CREATIVE COMMONS MAKES NO WARRANTIES REGARDING THE INFORMATION PROVIDED, AND DISCLAIMS LIABILITY FOR DAMAGES RESULTING FROM ITS USE.

License

THE WORK (AS DEFINED BELOW) IS PROVIDED UNDER THE TERMS OF THIS CREATIVE COMMONS PUBLIC LICENSE ("CCPL" OR "LICENSE"). THE WORK IS PROTECTED BY COPYRIGHT AND/OR OTHER APPLICABLE LAW. ANY USE OF THE WORK OTHER THAN AS AUTHORIZED UNDER THIS LICENSE OR COPYRIGHT LAW IS PROHIBITED.

BY EXERCISING ANY RIGHTS TO THE WORK PROVIDED HERE, YOU ACCEPT AND AGREE TO BE BOUND BY THE TERMS OF THIS LICENSE. THE LICENSOR GRANTS YOU THE RIGHTS CONTAINED HERE IN CONSIDERATION OF YOUR ACCEPTANCE OF SUCH TERMS AND CONDITIONS.

1. Definitions

1. "Collective Work" means a work, such as a periodical issue, anthology or encyclopedia, in which the Work in its entirety in unmodified form, along with a number of other contributions, constituting separate and independent works in themselves, are assembled into a collective whole. A work that constitutes a Collective Work will not be considered a Derivative Work (as defined below) for the purposes of this License.
2. "Derivative Work" means a work based upon the Work or upon the Work and other pre-existing works, such as a translation, musical arrangement, dramatization, fictionalization, motion picture version, sound recording, art reproduction, abridgment, condensation, or any other form in which the Work may be recast, transformed, or adapted, except that a work that constitutes a Collective Work will not be considered a Derivative Work for the purpose of this License. For the avoidance of doubt, where the Work is a musical composition or sound recording, the synchronization of the Work in timed-relation with a moving image ("synching") will be considered a Derivative Work for the purpose of this License.
3. "Licensor" means the individual or entity that offers the Work under the terms of this License.
4. "Original Author" means the individual or entity who created the Work.
5. "Work" means the copyrightable work of authorship offered under the terms of this License.
6. "You" means an individual or entity exercising rights under this License who has not previously violated the terms of this License with respect to the Work, or who has received express permission from the Licensor to exercise rights under this License despite a previous violation.
7. "License Elements" means the following high-level license attributes as selected by Licensor and indicated in the title of this License: Attribution, ShareAlike.

2. Fair Use Rights. Nothing in this license is intended to reduce, limit, or restrict any rights arising from fair use, first sale or other limitations on the exclusive rights of the copyright owner under copyright law or other applicable laws.

3. License Grant. Subject to the terms and conditions of this License, Licensor hereby grants You a worldwide, royalty-free, non-exclusive, perpetual (for the duration of the applicable copyright) license to exercise the rights in the Work as stated below:

1. to reproduce the Work, to incorporate the Work into one or more Collective Works, and to reproduce the Work as incorporated in the Collective Works;
2. to create and reproduce Derivative Works;
3. to distribute copies or phonorecords of, display publicly, perform publicly, and perform publicly by means of a digital audio transmission the Work including as incorporated in Collective Works;
4. to distribute copies or phonorecords of, display publicly, perform publicly, and perform publicly by means of a digital audio transmission Derivative Works.
- 5.

For the avoidance of doubt, where the work is a musical composition:

1. Performance Royalties Under Blanket Licenses. Licensor waives the exclusive right to collect, whether individually or via a performance rights society (e.g. ASCAP, BMI, SESAC), royalties for the public performance or public digital performance (e.g. webcast) of the Work.

2. Mechanical Rights and Statutory Royalties. Licensor waives the exclusive right to collect, whether individually or via a music rights society or designated agent (e.g. Harry Fox Agency), royalties for any phonorecord You create from the Work ("cover version") and distribute, subject to the compulsory license created by 17 USC Section 115 of the US Copyright Act (or the equivalent in other jurisdictions).

6. Webcasting Rights and Statutory Royalties. For the avoidance of doubt, where the Work is a sound recording, Licensor waives the exclusive right to collect, whether individually or via a performance-rights society (e.g. SoundExchange), royalties for the public digital performance (e.g. webcast) of the Work, subject to the compulsory license created by 17 USC Section 114 of the US Copyright Act (or the equivalent in other jurisdictions).

The above rights may be exercised in all media and formats whether now known or hereafter devised. The above rights include the right to make such modifications as are technically necessary to exercise the rights in other media and formats. All rights not expressly granted by Licensor are hereby reserved.

4. Restrictions. The license granted in Section 3 above is expressly made subject to and limited by the following restrictions:

1. You may distribute, publicly display, publicly perform, or publicly digitally perform the Work only under the terms of this License, and You must include a copy of, or the Uniform Resource Identifier for, this License with every copy or phonorecord of the Work You distribute, publicly display, publicly perform, or publicly digitally perform. You may not offer or impose any terms on the Work that alter or restrict the terms of this License or the recipients' exercise of the rights granted hereunder. You may not sublicense the Work. You must keep intact all notices that refer to this License and to the disclaimer of warranties. You may not distribute, publicly display, publicly perform, or publicly digitally perform the Work with any technological measures that control access or use of the Work in a manner inconsistent with the terms of this License Agreement. The above applies to the Work as incorporated in a Collective Work, but this does not require the Collective Work apart from the Work itself to be made subject to the terms of this License. If You create a Collective Work, upon notice from any Licensor You must, to the extent practicable, remove from the Collective Work any credit as required by clause 4(c), as requested. If You create a Derivative Work, upon notice from any Licensor You must, to the extent practicable, remove from the Derivative Work any credit as required by clause 4(c), as requested.

2. You may distribute, publicly display, publicly perform, or publicly digitally perform a Derivative Work only under the terms of this License, a later version of this License with the same License Elements as this License, or a Creative Commons iCommons license that contains the same License Elements as this License (e.g. Attribution-ShareAlike 2.5 Japan). You must include a copy of, or the Uniform Resource Identifier for, this License or other license specified in the previous sentence with every copy or phonorecord of each Derivative Work You distribute, publicly display, publicly perform, or publicly digitally perform. You may not offer or impose any terms on the Derivative Works that alter or restrict the terms of this License or the recipients' exercise of the rights granted hereunder, and You must keep intact all notices that refer to this License and to the disclaimer of warranties. You may not distribute, publicly display, publicly perform, or publicly digitally perform the Derivative Work with any technological measures that control access or use of the Work in a manner inconsistent with the terms of this License Agreement. The above applies to the Derivative Work as incorporated in a Collective Work, but this does not require the Collective Work apart from the Derivative Work itself to be made subject to the terms of this License.

3. If you distribute, publicly display, publicly perform, or publicly digitally perform the Work or any Derivative Works or Collective Works, You must keep intact all copyright notices for the Work and provide, reasonable to the medium or means You are utilizing: (i) the name of the Original Author (or pseudonym, if applicable) if supplied, and/or (ii) if the Original Author and/or Licensor designate another party or parties (e.g. a sponsor institute, publishing entity, journal) for attribution in Licensor's copyright notice, terms of service or by other reasonable means, the name of such party or parties; the title of the Work if supplied; to the extent reasonably practicable, the Uniform Resource Identifier, if any, that Licensor specifies to be associated with the Work, unless such URI does not refer to the copyright notice or licensing information for the Work; and in the case of a Derivative Work, a credit identifying the use of the Work in the Derivative Work (e.g., "French translation of the Work by Original Author," or "Screenplay based on original Work by Original Author"). Such credit may be implemented in any reasonable manner; provided, however, that in the case of a Derivative Work or Collective Work, at a minimum such credit will appear where any other comparable authorship credit appears and in a manner at least as prominent as such other comparable authorship credit.

5. Representations, Warranties and Disclaimer

UNLESS OTHERWISE AGREED TO BY THE PARTIES IN WRITING, LICENSOR OFFERS THE WORK AS-IS AND MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND CONCERNING THE MATERIALS, EXPRESS, IMPLIED, STATUTORY OR OTHERWISE,

INCLUDING, WITHOUT LIMITATION, WARRANTIES OF TITLE, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NONINFRINGEMENT, OR THE ABSENCE OF LATENT OR OTHER DEFECTS, ACCURACY, OR THE PRESENCE OF ABSENCE OF ERRORS, WHETHER OR NOT DISCOVERABLE. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES, SO SUCH EXCLUSION MAY NOT APPLY TO YOU.

6. Limitation on Liability. EXCEPT TO THE EXTENT REQUIRED BY APPLICABLE LAW, IN NO EVENT WILL LICENSOR BE LIABLE TO YOU ON ANY LEGAL THEORY FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR EXEMPLARY DAMAGES ARISING OUT OF THIS LICENSE OR THE USE OF THE WORK, EVEN IF LICENSOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. Termination

1. This License and the rights granted hereunder will terminate automatically upon any breach by You of the terms of this License. Individuals or entities who have received Derivative Works or Collective Works from You under this License, however, will not have their licenses terminated provided such individuals or entities remain in full compliance with those licenses. Sections 1, 2, 5, 6, 7, and 8 will survive any termination of this License.

2. Subject to the above terms and conditions, the license granted here is perpetual (for the duration of the applicable copyright in the Work). Notwithstanding the above, Licensor reserves the right to release the Work under different license terms or to stop distributing the Work at any time; provided, however that any such election will not serve to withdraw this License (or any other license that has been, or is required to be, granted under the terms of this License), and this License will continue in full force and effect unless terminated as stated above.

8. Miscellaneous

1. Each time You distribute or publicly digitally perform the Work or a Collective Work, the Licensor offers to the recipient a license to the Work on the same terms and conditions as the license granted to You under this License.

2. Each time You distribute or publicly digitally perform a Derivative Work, Licensor offers to the recipient a license to the original Work on the same terms and conditions as the license granted to You under this License.

3. If any provision of this License is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this License, and without further action by the parties to this agreement, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

4. No term or provision of this License shall be deemed waived and no breach consented to unless such waiver or consent shall be in writing and signed by the party to be charged with such waiver or consent.

5. This License constitutes the entire agreement between the parties with respect to the Work licensed here. There are no understandings, agreements or representations with respect to the Work not specified here. Licensor shall not be bound by any additional provisions that may appear in any communication from You. This License may not be modified without the mutual written agreement of the Licensor and You.

Creative Commons is not a party to this License, and makes no warranty whatsoever in connection with the Work. Creative Commons will not be liable to You or any party on any legal theory for any damages whatsoever, including without limitation any general, special, incidental or consequential damages arising in connection to this license. Notwithstanding the foregoing two (2) sentences, if Creative Commons has expressly identified itself as the Licensor hereunder, it shall have all rights and obligations of Licensor.

Except for the limited purpose of indicating to the public that the Work is licensed under the CCPL, neither party will use the trademark "Creative Commons" or any related trademark or logo of Creative Commons without the prior written consent of Creative Commons. Any permitted use will be in compliance with Creative Commons' then-current trademark usage guidelines, as may be published on its website or otherwise made available upon request from time to time.

Creative Commons may be contacted at <http://creativecommons.org/>.

Creative Commons Public License - Attribution 2.0 Generic
 <<<<<<<xilinx-separator>>>>>>>

CREATIVE COMMONS CORPORATION IS NOT A LAW FIRM AND DOES NOT PROVIDE LEGAL SERVICES. DISTRIBUTION OF THIS LICENSE DOES NOT CREATE AN ATTORNEY-CLIENT RELATIONSHIP. CREATIVE COMMONS PROVIDES THIS INFORMATION ON AN "AS-IS" BASIS. CREATIVE COMMONS MAKES NO WARRANTIES REGARDING THE INFORMATION PROVIDED, AND DISCLAIMS LIABILITY FOR DAMAGES RESULTING FROM ITS USE.

License

THE WORK (AS DEFINED BELOW) IS PROVIDED UNDER THE TERMS OF THIS CREATIVE COMMONS PUBLIC LICENSE ("CCPL" OR "LICENSE"). THE WORK IS PROTECTED BY COPYRIGHT AND/OR OTHER APPLICABLE LAW. ANY USE OF THE WORK OTHER THAN AS AUTHORIZED UNDER THIS LICENSE OR COPYRIGHT LAW IS PROHIBITED.

BY EXERCISING ANY RIGHTS TO THE WORK PROVIDED HERE, YOU ACCEPT AND AGREE TO BE BOUND BY THE TERMS OF THIS LICENSE. THE LICENSOR GRANTS YOU THE RIGHTS CONTAINED HERE IN CONSIDERATION OF YOUR ACCEPTANCE OF SUCH TERMS AND CONDITIONS.

1. Definitions

"Collective Work" means a work, such as a periodical issue, anthology or encyclopedia, in which the Work in its entirety in unmodified form, along with a number of other contributions, constituting separate and independent works in themselves, are assembled into a collective whole. A work that constitutes a Collective Work will not be considered a Derivative Work (as defined below) for the purposes of this License.

"Derivative Work" means a work based upon the Work or upon the Work and other pre-existing works, such as a translation, musical arrangement, dramatization, fictionalization, motion picture version, sound recording, art reproduction, abridgment, condensation, or any other form in which the Work may be recast, transformed, or adapted, except that a work that constitutes a Collective Work will not be considered a Derivative Work for the purpose of this License. For the avoidance of doubt, where the Work is a musical composition or sound recording, the synchronization of the Work in timed-relation with a moving image ("synching") will be considered a Derivative Work for the purpose of this License.

"Licensor" means the individual or entity that offers the Work under the terms of this License.

"Original Author" means the individual or entity who created the Work.

"Work" means the copyrightable work of authorship offered under the terms of this License.

"You" means an individual or entity exercising rights under this License who has not previously violated the terms of this License with respect to the Work, or who has received express permission from the Licensor to exercise rights under this License despite a previous violation.

2. **Fair Use Rights.** Nothing in this license is intended to reduce, limit, or restrict any rights arising from fair use, first sale or other limitations on the exclusive rights of the copyright owner under copyright law or other applicable laws.

3. License Grant. Subject to the terms and conditions of this License, Licensor hereby grants You a worldwide, royalty-free, non-exclusive, perpetual (for the duration of the applicable copyright) license to exercise the rights in the Work as stated below:

to reproduce the Work, to incorporate the Work into one or more Collective Works, and to reproduce the Work as incorporated in the Collective Works;

to create and reproduce Derivative Works;

to distribute copies or phonorecords of, display publicly, perform publicly, and perform publicly by means of a digital audio transmission the Work including as incorporated in Collective Works;

to distribute copies or phonorecords of, display publicly, perform publicly, and perform publicly by means of a digital audio transmission Derivative Works.

For the avoidance of doubt, where the work is a musical composition:

Performance Royalties Under Blanket Licenses. Licensor waives the exclusive right to collect, whether individually or via a performance rights society (e.g. ASCAP, BMI, SESAC), royalties for the public performance or public digital performance (e.g. webcast) of the Work.

Mechanical Rights and Statutory Royalties. Licensor waives the exclusive right to collect, whether individually or via a music rights agency or designated agent (e.g. Harry Fox Agency), royalties for any phonorecord You create from the Work ("cover version") and distribute, subject to the compulsory license created by 17 USC Section 115 of the US Copyright Act (or the equivalent in other jurisdictions).

Webcasting Rights and Statutory Royalties. For the avoidance of doubt, where the Work is a sound recording, Licensor waives the exclusive right to collect, whether individually or via a performance-rights society (e.g. SoundExchange), royalties for the public digital performance (e.g. webcast) of the Work, subject to the compulsory license created by 17 USC Section 114 of the US Copyright Act (or the equivalent in other jurisdictions).

The above rights may be exercised in all media and formats whether now known or hereafter devised. The above rights include the right to make such modifications as are technically necessary to exercise the rights in other media and formats. All rights not expressly granted by Licensor are hereby reserved.

4. Restrictions. The license granted in Section 3 above is expressly made subject to and limited by the following restrictions:

You may distribute, publicly display, publicly perform, or publicly digitally perform the Work only under the terms of this License, and You must include a copy of, or the Uniform Resource Identifier for, this License with every copy or phonorecord of the Work You distribute, publicly display, publicly perform, or publicly digitally perform. You may not offer or impose any terms on the Work that alter or restrict the terms of this License or the recipients' exercise of the rights granted hereunder. You may not sublicense the Work. You must keep intact all notices that refer to this License and to the disclaimer of warranties. You may not distribute, publicly display, publicly perform, or publicly digitally perform the Work with any technological measures that control access or use of the Work in a manner inconsistent with the terms of this License Agreement. The above applies to the Work as incorporated in a Collective Work, but this does not require the Collective Work apart from the Work itself to be made subject to the terms of this License. If You create a Collective Work, upon notice from any Licensor You must, to the extent practicable, remove from the Collective Work any reference to such Licensor or the Original Author, as requested. If You create a Derivative Work, upon notice from any Licensor You must, to the extent practicable, remove from the Derivative Work any reference to such Licensor or the Original Author, as requested.

If you distribute, publicly display, publicly perform, or publicly digitally perform the Work or any Derivative Works or Collective Works, You must keep intact all copyright notices for the Work and give the Original Author credit reasonable to the medium or means You are utilizing by conveying the name (or pseudonym if applicable) of the Original Author if supplied; the title of the Work if supplied; to the extent reasonably practicable, the Uniform Resource Identifier, if any, that Licensor specifies to be associated with the Work, unless such URI does not refer to the copyright notice or licensing information for the Work; and in the case of a Derivative Work, a credit identifying the use of the Work in the Derivative Work (e.g., "French translation of the Work by Original Author," or "Screenplay based on original Work by Original Author"). Such credit may be implemented in any reasonable manner; provided, however, that in the case of a Derivative Work or Collective Work, at a minimum such credit will appear where any other comparable authorship credit appears and in a manner at least as prominent as such other comparable authorship credit.

5. Representations, Warranties and Disclaimer

UNLESS OTHERWISE MUTUALLY AGREED TO BY THE PARTIES IN WRITING, LICENSOR OFFERS THE WORK AS-IS AND MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND CONCERNING THE WORK, EXPRESS, IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF TITLE, MERCHANTIBILITY, FITNESS FOR A PARTICULAR PURPOSE, NONINFRINGEMENT, OR THE ABSENCE OF LATENT OR OTHER DEFECTS, ACCURACY, OR THE PRESENCE OF ABSENCE OF ERRORS, WHETHER OR NOT DISCOVERABLE. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES, SO SUCH EXCLUSION MAY NOT APPLY TO YOU.

6. Limitation on Liability. EXCEPT TO THE EXTENT REQUIRED BY APPLICABLE LAW, IN NO EVENT WILL LICENSOR BE LIABLE TO YOU ON ANY LEGAL THEORY FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR EXEMPLARY DAMAGES ARISING OUT OF THIS LICENSE OR THE USE OF THE WORK, EVEN IF LICENSOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. Termination

This License and the rights granted hereunder will terminate automatically upon any breach by You of the terms of this License. Individuals or entities who have received Derivative Works or Collective Works from You under this License, however, will not have their licenses terminated provided such individuals or entities remain in full compliance with those licenses. Sections 1, 2, 5, 6, 7, and 8 will survive any termination of this License.

Subject to the above terms and conditions, the license granted here is perpetual (for the duration of the applicable copyright in the Work). Notwithstanding the above, Licensor reserves the right to release the Work under different license terms or to stop distributing the Work at any time; provided, however that any such election will not serve to withdraw this License (or any other license that has been, or is required to be, granted under the terms of this License), and this License will continue in full force and effect unless terminated as stated above.

8. Miscellaneous

Each time You distribute or publicly digitally perform the Work or a Collective Work, the Licensor offers to the recipient a license to the Work on the same terms and conditions as the license granted to You under this License.

Each time You distribute or publicly digitally perform a Derivative Work, Licensor offers to the recipient a license to the original Work on the same terms and conditions as the license granted to You under this License.

If any provision of this License is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this License, and without further action by the parties to this agreement, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

No term or provision of this License shall be deemed waived and no breach consented to unless such waiver or consent shall be in writing and signed by the party to be charged with such waiver or consent.

This License constitutes the entire agreement between the parties with respect to the Work licensed here. There are no understandings, agreements or representations with respect to the Work not specified here. Licensor shall not be bound by any additional provisions that may appear in any communication from You. This License may not be modified without the mutual written agreement of the Licensor and You.

Creative Commons is not a party to this License, and makes no warranty whatsoever in connection with the Work. Creative Commons will not be liable to You or any party on any legal theory for any damages whatsoever, including without limitation any general, special, incidental or consequential damages arising in connection to this license. Notwithstanding the foregoing two (2) sentences, if Creative Commons has expressly identified itself as the Licensor hereunder, it shall have all rights and obligations of Licensor.

Except for the limited purpose of indicating to the public that the Work is licensed under the CCPL, neither party will use the trademark "Creative Commons" or any related trademark or logo of Creative Commons without the prior written consent of Creative Commons. Any permitted use will be in compliance with Creative Commons' then-current trademark usage guidelines, as may be published on its website or otherwise made available upon request from time to time.

Creative Commons may be contacted at <https://creativecommons.org/>.

Creative Commons Public License - Attribution 3.0 Unported

<<<<<<<xilinx-separator>>>>>>>

CREATIVE COMMONS CORPORATION IS NOT A LAW FIRM AND DOES NOT PROVIDE LEGAL SERVICES. DISTRIBUTION OF THIS LICENSE DOES NOT CREATE AN ATTORNEY-CLIENT RELATIONSHIP. CREATIVE COMMONS PROVIDES THIS INFORMATION ON AN "AS IS" BASIS. CREATIVE COMMONS MAKES NO WARRANTIES REGARDING THE INFORMATION PROVIDED, AND DISCLAIMS LIABILITY FOR DAMAGES RESULTING FROM ITS USE.

License

THE WORK (AS DEFINED BELOW) IS PROVIDED UNDER THE TERMS OF THIS CREATIVE COMMONS PUBLIC LICENSE ("CCPL" OR "LICENSE"). THE WORK IS PROTECTED BY COPYRIGHT AND/OR OTHER APPLICABLE LAW. ANY USE OF THE WORK OTHER THAN AS AUTHORIZED UNDER THIS LICENSE OR COPYRIGHT LAW IS PROHIBITED.

BY EXERCISING ANY RIGHTS TO THE WORK PROVIDED HERE, YOU ACCEPT AND AGREE TO BE BOUND BY THE TERMS OF THIS LICENSE. TO THE EXTENT THIS LICENSE MAY BE CONSIDERED TO BE A CONTRACT, THE LICENSOR GRANTS YOU THE RIGHTS CONTAINED HERE IN CONSIDERATION OF YOUR ACCEPTANCE OF SUCH TERMS AND CONDITIONS.

1. Definitions

"Adaptation" means a work based upon the Work, or upon the Work and other pre-existing works, such as a translation, adaptation, derivative work, arrangement of music or other alterations of a literary or artistic work, or phonogram or performance and includes cinematographic adaptations or any other form in which the Work may be recast, transformed, or adapted including in any form recognizably derived from the original, except that a work that constitutes a Collection will not be considered an Adaptation for the purpose of this License. For the avoidance of doubt, where the Work is a musical work, performance or phonogram, the synchronization of the Work in timed-relation with a moving image ("synching") will be considered an Adaptation for the purpose of this License.

"Collection" means a collection of literary or artistic works, such as encyclopedias and anthologies, or performances, phonograms or broadcasts, or other works or subject matter other than works listed in Section 1(f) below, which, by reason of the selection and arrangement of their contents, constitute intellectual creations, in which the Work is included in its entirety in unmodified form along with one or more other contributions, each constituting separate and independent works in themselves, which together are assembled into a collective whole. A work that constitutes a Collection will not be considered an Adaptation (as defined above) for the purposes of this License.

"Distribute" means to make available to the public the original and copies of the Work or Adaptation, as appropriate, through sale or other transfer of ownership.

"Licensor" means the individual, individuals, entity or entities that offer(s) the Work under the terms of this License.

"Original Author" means, in the case of a literary or artistic work, the individual, individuals, entity or entities who created the Work or if no individual or entity can be identified, the publisher; and in addition (i) in the case of a performance the actors, singers, musicians, dancers, and other persons who act, sing, deliver, declaim, play in, interpret or otherwise perform literary or artistic works or expressions of folklore; (ii) in the case of a phonogram the producer being the person or legal entity who first fixes the sounds of a performance or other sounds; and, (iii) in the case of broadcasts, the organization that transmits the broadcast.

"Work" means the literary and/or artistic work offered under the terms of this License including without limitation any production in the literary, scientific and artistic domain, whatever may be the mode or form of its expression including digital form, such as a book, pamphlet and other writing; a lecture, address, sermon or other work of the same nature; a dramatic or dramatico-musical work; a choreographic work or entertainment in dumb show; a musical composition with or without words; a cinematographic work to which are assimilated works expressed by a process analogous to cinematography; a work of drawing, painting, architecture, sculpture, engraving or lithography; a photographic work to which are assimilated works expressed by a process analogous to photography; a work of applied art; an illustration, map, plan, sketch or three-dimensional work relative to geography, topography, architecture or science; a performance; a broadcast; a phonogram; a compilation of data to the extent it is protected as a copyrightable work; or a work performed by a variety or circus performer to the extent it is not otherwise considered a literary or artistic work.

"You" means an individual or entity exercising rights under this License who has not previously violated the terms of this License with respect to the Work, or who has received express permission from the Licensor to exercise rights under this License despite a previous violation.

"Publicly Perform" means to perform public recitations of the Work and to communicate to the public those public recitations, by any means or process, including by wire or wireless means or public digital performances; to make available to the public Works in such a way that members of the public may access these Works from a place and at a place individually chosen by them; to perform the Work to the public by any means or process and the communication to the public of the performances of the Work, including by public digital performance; to broadcast and rebroadcast the Work by any means including signs, sounds or images.

"Reproduce" means to make copies of the Work by any means including without limitation by sound or visual recordings and the right of fixation and reproducing fixations of the Work, including storage of a protected performance or phonogram in digital form or other electronic medium.

2. Fair Dealing Rights. Nothing in this License is intended to reduce, limit, or restrict any uses free from copyright or rights arising from limitations or exceptions that are provided for in connection with the copyright protection under copyright law or other applicable laws.

3. License Grant. Subject to the terms and conditions of this License, Licensor hereby grants You a worldwide, royalty-free, non-exclusive, perpetual (for the duration of the applicable copyright) license to exercise the rights in the Work as stated below:

to Reproduce the Work, to incorporate the Work into one or more Collections, and to Reproduce the Work as incorporated in the Collections;

to create and Reproduce Adaptations provided that any such Adaptation, including any translation in any medium, takes reasonable steps to clearly label, demarcate or otherwise identify that changes were made to the original Work. For example, a translation could be marked "The original work was translated from English to Spanish," or a modification could indicate "The original work has been modified.";

to Distribute and Publicly Perform the Work including as incorporated in Collections; and,

to Distribute and Publicly Perform Adaptations.

For the avoidance of doubt:

Non-waivable Compulsory License Schemes. In those jurisdictions in which the right to collect royalties through any statutory or compulsory licensing scheme cannot be waived, the Licensor reserves the exclusive right to collect such royalties for any exercise by You of the rights granted under this License;

Waivable Compulsory License Schemes. In those jurisdictions in which the right to collect royalties through any statutory or compulsory licensing scheme can be waived, the Licensor waives the exclusive right to collect such royalties for any exercise by You of the rights granted under this License; and,

Voluntary License Schemes. The Licensor waives the right to collect royalties, whether individually or, in the event that the Licensor is a member of a collecting society that administers voluntary licensing schemes, via that society, from any exercise by You of the rights granted under this License.

The above rights may be exercised in all media and formats whether now known or hereafter devised. The above rights include the right to make such modifications as are technically necessary to exercise the rights in other media and formats. Subject to Section 8(f), all rights not expressly granted by Licensor are hereby reserved.

4. Restrictions. The license granted in Section 3 above is expressly made subject to and limited by the following restrictions:

You may Distribute or Publicly Perform the Work only under the terms of this License. You must include a copy of, or the Uniform Resource Identifier (URI) for, this License with every copy of the Work You Distribute or Publicly Perform. You may not offer or impose any terms on the Work that restrict the terms of this License or the ability of the recipient of the Work to exercise the rights granted to that recipient under the terms of the License. You may not sublicense the Work. You must keep intact all notices that refer to this License and to the disclaimer of warranties with every copy of the Work You Distribute or Publicly Perform. When You Distribute or Publicly Perform the Work, You may not impose any effective technological measures on the Work that restrict the ability of a recipient of the Work from You to exercise the rights granted to that recipient under the terms of the License. This Section 4(a) applies to the Work as incorporated in a Collection, but this does not require the Collection apart from the Work itself to be made subject to the terms of this License. If You create a Collection, upon notice from any Licensor You must, to the extent practicable, remove from the Collection any credit as required by Section 4(b), as requested. If You create an Adaptation, upon notice from any Licensor You must, to the extent practicable, remove from the Adaptation any credit as required by Section 4(b), as requested.

If You Distribute, or Publicly Perform the Work or any Adaptations or Collections, You must, unless a request has been made pursuant to Section 4(a), keep intact all copyright notices for the Work and provide, reasonable to the medium or means You are utilizing: (i) the name of the Original Author (or pseudonym, if applicable) if supplied, and/or if the Original Author and/or Licensor designate another party or parties (e.g., a sponsor institute, publishing entity, journal) for attribution ("Attribution Parties") in Licensor's copyright notice, terms of service or by other reasonable means, the name of such party or parties; (ii) the title of the Work if supplied; (iii) to the extent reasonably practicable, the URI, if any, that Licensor specifies to be associated with the Work, unless such URI does not refer to the copyright notice or licensing information for the Work; and (iv) , consistent with Section 3(b), in the case of an Adaptation, a credit identifying the use of the Work in the Adaptation (e.g., "French translation of the Work by Original Author," or "Screenplay based on original Work by Original Author"). The credit required by this Section 4 (b) may be implemented in any reasonable manner; provided, however, that in the case of a Adaptation or Collection, at a minimum such credit will appear, if a credit for all contributing authors of the Adaptation or Collection appears, then as part of these credits and in a manner at least as prominent as the credits for the other contributing authors. For the avoidance of doubt, You may only use the credit required by this Section for the purpose of attribution in the manner set out above and, by exercising Your rights under this License, You may not implicitly or explicitly assert or imply any connection with, sponsorship or endorsement by the Original Author, Licensor and/or Attribution Parties, as appropriate, of You or Your use of the Work, without the separate, express prior written permission of the Original Author, Licensor and/or Attribution Parties. Except as otherwise agreed in writing by the Licensor or as may be otherwise permitted by applicable law, if You Reproduce, Distribute or Publicly Perform the Work either by itself or as part of any Adaptations or Collections, You must not distort, mutilate, modify or take other derogatory action in relation to the Work which would be prejudicial to the Original Author's honor or reputation. Licensor agrees that in those jurisdictions (e.g. Japan), in which any exercise of the right granted in Section 3(b) of this License (the right to make Adaptations) would be deemed to be a distortion, mutilation, modification or other derogatory action prejudicial to the Original Author's honor and reputation, the Licensor will waive or not assert, as appropriate, this Section, to the fullest extent permitted by the applicable national law, to enable You to reasonably exercise Your right under Section 3(b) of this License (right to make Adaptations) but not otherwise.

5. Representations, Warranties and Disclaimer

UNLESS OTHERWISE MUTUALLY AGREED TO BY THE PARTIES IN WRITING, LICENSOR OFFERS THE WORK AS-IS AND MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND CONCERNING THE WORK, EXPRESS, IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF TITLE, MERCHANTIBILITY, FITNESS FOR A PARTICULAR PURPOSE, NONINFRINGEMENT, OR THE ABSENCE OF LATENT OR OTHER DEFECTS, ACCURACY, OR THE PRESENCE OF ABSENCE OF ERRORS, WHETHER OR NOT DISCOVERABLE. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES, SO SUCH EXCLUSION MAY NOT APPLY TO YOU.

6. Limitation on Liability. EXCEPT TO THE EXTENT REQUIRED BY APPLICABLE LAW, IN NO EVENT WILL LICENSOR BE LIABLE TO YOU ON ANY LEGAL THEORY FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR EXEMPLARY DAMAGES ARISING OUT OF THIS LICENSE OR THE USE OF THE WORK, EVEN IF LICENSOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. Termination

This License and the rights granted hereunder will terminate automatically upon any breach by You of the terms of this License. Individuals or entities who have received Adaptations or Collections from You under this License, however, will not have their licenses terminated provided such individuals or entities remain in full compliance with those licenses. Sections 1, 2, 5, 6, 7, and 8 will survive any termination of this License.

Subject to the above terms and conditions, the license granted here is perpetual (for the duration of the applicable copyright in the Work). Notwithstanding the above, Licensor reserves the right to release the Work under different license terms or to stop distributing the Work at any time; provided, however that any such election will not serve to withdraw this License (or any other license that has been, or is required to be, granted under the terms of this License), and this License will continue in full force and effect unless terminated as stated above.

8. Miscellaneous

Each time You Distribute or Publicly Perform the Work or a Collection, the Licensor offers to the recipient a license to the Work on the same terms and conditions as the license granted to You under this License.

Each time You Distribute or Publicly Perform an Adaptation, Licensor offers to the recipient a license to the original Work on the same terms and conditions as the license granted to You under this License.

If any provision of this License is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this License, and without further action by the parties to this agreement, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

No term or provision of this License shall be deemed waived and no breach consented to unless such waiver or consent shall be in writing and signed by the party to be charged with such waiver or consent.

This License constitutes the entire agreement between the parties with respect to the Work licensed here. There are no understandings, agreements or representations with respect to the Work not specified here. Licensor shall not be bound by any additional provisions that may appear in any communication from You. This License may not be modified without the mutual written agreement of the Licensor and You.

The rights granted under, and the subject matter referenced, in this License were drafted utilizing the terminology of the Berne Convention for the Protection of Literary and Artistic Works (as amended on September 28, 1979), the Rome Convention of 1961, the WIPO Copyright Treaty of 1996, the WIPO Performances and Phonograms Treaty of 1996 and the Universal Copyright Convention (as revised on July 24, 1971). These rights and subject matter take effect in the relevant jurisdiction in which the License terms are sought to be enforced according to the corresponding provisions of the implementation of those treaty provisions in the applicable national law. If the standard suite of rights granted under applicable copyright law includes additional rights not granted under this License, such additional rights are deemed to be included in the License; this License is not intended to restrict the license of any rights under applicable law.

Creative Commons Notice

Creative Commons is not a party to this License, and makes no warranty whatsoever in connection with the Work. Creative Commons will not be liable to You or any party on any legal theory for any damages whatsoever, including without limitation any general, special, incidental or consequential damages arising in connection to this license. Notwithstanding the foregoing two (2) sentences, if Creative Commons has expressly identified itself as the Licensor hereunder, it shall have all rights and obligations of Licensor.

Except for the limited purpose of indicating to the public that the Work is licensed under the CCPL, Creative Commons does not authorize the use by either party of the trademark "Creative Commons" or any related trademark or logo of Creative Commons without the prior written consent of Creative Commons. Any permitted use will be in compliance with Creative Commons' then-current trademark usage guidelines, as may be published on its website or otherwise made available upon request from time to time. For the avoidance of doubt, this trademark restriction does not form part of this License.

Creative Commons may be contacted at <https://creativecommons.org/>.

1.1. "Contributor" means each entity that creates or contributes to the creation of Modifications.

1.3. "Covered Code" means the Original Code or Modifications or the combination of the Original Code and Modifications, in each case including portions thereof.

1.5. "Executable" means Covered Code in any form other than Source Code.

1.7. "Larger Work" means a work which combines Covered Code or portions thereof with code not governed by the terms of this License.

1.9. "Modifications" means any addition to or deletion from the substance or structure of either the Original Code or any previous Modifications. When Covered Code is released as a series of files, a Modification is:

B. Any new file that contains any part of the Original Code or previous Modifications.

Vivado ML Lab Solutions Third Party Licensing Guide

1.11. "Source Code" means the preferred form of the Covered Code for making modifications to it, including all modules it contains, plus any associated interface definition files, scripts used to control compilation and installation of an Executable, or a list of source code differential comparisons against either the Original Code or another well known, available Covered Code of the Contributor's choice. The Source Code can be in a compressed or archival form, provided the appropriate decompression or de-archiving software is widely available for no charge.

1.12. "You" means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License or a future version of this License issued under Section 6.1. For legal entities, "You" includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of fifty percent (50%) or more of the outstanding shares or beneficial ownership of such entity.

1.13. "Cygnus's Branded Code" is code that Cygnus Solutions ("Cygnus") distributes and/or permits others to distribute under different terms than the Cygnus eCos Public License. Cygnus's Branded Code may contain part or all of the Covered Code.

2. SOURCE CODE LICENSE.

2.1. The Initial Developer Grant.

The Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license, subject to third party intellectual property claims:

(a) to use, reproduce, modify, display, perform, sublicense and distribute the Original Code (or portions thereof) with or without Modifications, or as part of a Larger Work; and

(b) under patents now or hereafter owned or controlled by Initial Developer, to make, have made, use and sell ("Utilize") the Original Code (or portions thereof), but solely to the extent that any such patent is reasonably necessary to enable You to Utilize the Original Code (or portions thereof) and not to any greater extent that may be necessary to Utilize further Modifications or combinations.

2.2. Contributor Grant.

Each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license, subject to third party intellectual property claims:

(a) to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof) either on an unmodified basis, with other Modifications, as Covered Code or as part

of a Larger Work; and

(b) under patents now or hereafter owned or controlled by Contributor, to Utilize the Contributor Version (or portions thereof), but solely to the extent that any such patent is reasonably necessary to enable You to Utilize the Contributor Version (or portions thereof), and not to any greater extent that may be necessary to Utilize further Modifications or combinations.

3. DISTRIBUTION OBLIGATIONS.

3.1. Application of License.

The Modifications which You create or to which You contribute are governed by the terms of this License, including without limitation Section 2.2. The Source Code version of Covered Code may be distributed only under the terms of this License or a future version of this License released under Section 6.1, and You must include a copy of this License with every copy of the Source Code You distribute. You may not offer or impose any terms on any Source Code version that alters or restricts the applicable version of this License or the recipients' rights hereunder. However, You may include an additional document offering the additional rights described in Section 3.5.

3.2. Availability of Source Code.

Any Modification which You create or to which You contribute must be made available in Source Code form under the terms of this License via an accepted Electronic Distribution Mechanism to anyone to whom you made an Executable version available and to the Initial Developer; and if made available via Electronic Distribution Mechanism, must remain available for at least twelve (12) months after the date it initially became available, or at least six (6) months after a subsequent version of that particular Modification has been made available to such recipients. You are responsible for ensuring that the Source Code version remains available even if the Electronic Distribution Mechanism is maintained by a third party. You are responsible for notifying the Initial Developer of the Modification and the location of the Source if a contact means is provided. Cygnus will be acting as maintainer of the Source and may provide an Electronic Distribution mechanism for the Modification to be made available. You can contact Cygnus to make the Modification available and to notify the Initial Developer. (<http://sourceware.cygnus.com/ecos>)

3.3. Description of Modifications.

You must cause all Covered Code to which you contribute to contain a file documenting the changes You made to create that Covered Code and the date of any change. You must include a prominent statement that the Modification is derived, directly or indirectly, from Original Code provided by the Initial Developer and including the name of the Initial Developer in (a) the Source Code, and (b) in any notice in an Executable version or related documentation in which You describe the origin or ownership of the Covered

Code.

3.4. Intellectual Property Matters

(a) Third Party Claims.

If You have knowledge that a party claims an intellectual property right in particular functionality or code (or its utilization under this License), you must include a text file with the source code distribution titled "LEGAL" which describes the claim and the party making the claim in sufficient detail that a recipient will know whom to contact. If you obtain such knowledge after You make Your Modification available as described in Section 3.2, You shall promptly modify the LEGAL file in all copies You make available thereafter and shall take other steps (such as notifying appropriate mailing lists or newsgroups) reasonably calculated to inform those who received the Covered Code that new knowledge has been obtained.

(b) Contributor APIs.

If Your Modification is an application programming interface and You own or control patents which are reasonably necessary to implement that API, you must also include this information in the LEGAL file.

3.5. Required Notices.

You must duplicate the notice in Exhibit A in each file of the Source Code, and this License in any documentation for the Source Code, where You describe recipients' rights relating to Covered Code. If You created one or more Modification(s), You may add your name as a Contributor to the Source Code. If it is not possible to put such notice in a particular Source Code file due to its structure, then you must include such notice in a location (such as a relevant directory file) where a user would be likely to look for such a notice. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Code.

However, You may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.6. Distribution of Executable Versions.

You may distribute Covered Code in Executable form only if the requirements of Section 3.1-3.5 have been met for that Covered Code, and if You include a notice stating that the Source Code version of the Covered Code is available under the terms of this License, including a description of how and where You have fulfilled the obligations of Section 3.2. The notice must be conspicuously included in any notice in an Executable version, related documentation or collateral in which You describe recipients' rights relating to the Covered Code. You may distribute the Executable

version of Covered Code under a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable version does not attempt to limit or alter the recipient's rights in the Source Code version from the rights set forth in this License. If You distribute the Executable version under a different license You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or any Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

If you distribute executable versions containing Covered Code, you must reproduce the notice in Exhibit B in the documentation and/or other materials provided with the product.

3.7. Larger Works.

You may create a Larger Work by combining Covered Code with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Code.

4. INABILITY TO COMPLY DUE TO STATUTE OR REGULATION.

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Code due to statute or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; (b) cite the statute or regulation that prohibits you from adhering to the license; and (c) describe the limitations and the code they affect. Such description must be included in the LEGAL file described in Section 3.4 and must be included with all distributions of the Source Code. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it. You must submit this LEGAL file to Cygnus for review, and You will not be able use the covered code in any means until permission is granted from Cygnus to allow for the inability to comply due to statute or regulation.

5. APPLICATION OF THIS LICENSE.

This License applies to code to which the Initial Developer has attached the notice in Exhibit A, and to related Covered Code.

Cygnus may include Covered Code in products without such additional products becoming subject to the terms of this License, and may license such additional products on different terms from those contained in this License.

Cygnus may license the Source Code of Cygnus's Branded Code without Cygnus's Branded Code becoming subject to the terms of this License, and may license Cygnus's Branded Code on different terms from those contained in this License.

Contact Cygnus for details of alternate licensing terms available.

6. VERSIONS OF THE LICENSE.

6.1. New Versions.

Cygnus may publish revised and/or new versions of the License from time to time. Each version will be given a distinguishing version number.

6.2. Effect of New Versions.

Once Covered Code has been published under a particular version of the License, You may always continue to use it under the terms of that version. You may also choose to use such Covered Code under the terms of any subsequent version of the License published by Cygnus. No one other than Cygnus has the right to modify the terms applicable to Covered Code beyond what is granted under this and subsequent Licenses.

6.3. Derivative Works.

If you create or use a modified version of this License (which you may only do in order to apply it to code which is not already Covered Code governed by this License), you must (a) rename Your license so that the phrases "ECOS", "eCos", "Cygnus", "CPL" or any confusingly similar phrase do not appear anywhere in your license and (b) otherwise make it clear that your version of the license contains terms which differ from the eCos Public License and Cygnus Public License. (Filling in the name of the Initial Developer, Original Code or Contributor in the notice described in Exhibit A shall not of themselves be deemed to be modifications of this License.)

7. DISCLAIMER OF WARRANTY.

COVERED CODE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED CODE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED CODE IS WITH YOU. SHOULD ANY COVERED CODE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED CODE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

8. TERMINATION.

This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. All sublicenses to the Covered Code which are properly granted shall survive any termination of this License. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

9. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED CODE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO YOU OR ANY OTHER PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THAT EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

10. U.S. GOVERNMENT END USERS.

The Covered Code is a "commercial item," as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of "commercial computer software" and "commercial computer software documentation," as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Code with only those rights set forth herein.

11. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by California law provisions (except to the extent applicable law, if any, provides otherwise), excluding its conflict-of-law provisions. With respect to disputes in which at least one party is a citizen of, or an entity chartered or registered to do business in, the United States of America: (a) unless otherwise agreed in writing, all disputes relating to this License (excepting any dispute relating to intellectual property rights) shall be subject to final and binding arbitration, with the losing party paying all costs of arbitration; (b) any arbitration relating to this Agreement shall be held in Santa Clara County, California, under the auspices of JAMS/EndDispute; and (c) any litigation relating to this Agreement shall be subject to the jurisdiction of the Federal Courts of the Northern District of California, with venue lying in Santa Clara County, California, with the losing party responsible for costs, including without limitation, court costs and reasonable attorneys fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is

expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License.

12. RESPONSIBILITY FOR CLAIMS.

Except in cases where another Contributor has failed to comply with Section 3.4, You are responsible for damages arising, directly or indirectly, out of Your utilization of rights under this License, based on the number of copies of Covered Code you made available, the revenues you received from utilizing such rights, and other relevant factors. You agree to work with affected parties to distribute responsibility on an equitable basis.

13. ADDITIONAL TERMS APPLICABLE TO THE CYGNUS ECOS PUBLIC LICENSE.

Nothing in this License shall be interpreted to prohibit Cygnus from licensing under different terms than this License any code which Cygnus otherwise would have a right to license.

Cygnus and logo - This License does not grant any rights to use the trademark Cygnus, the Cygnus logo, eCos logo, even if such marks are included in the Original Code. You may contact Cygnus for permission to display the Cygnus and eCos marks in either the documentation or the Executable version beyond that required in Exhibit B.

Inability to Comply Due to Contractual Obligation - To the extent that Cygnus is limited contractually from making third party code available under this License, Cygnus may choose to integrate such third party code into Covered Code without being required to distribute such third party code in Source Code form, even if such third party code would otherwise be considered "Modifications" under this License.

EXHIBIT A.

"The contents of this file are subject to the Cygnus eCos Public License Version 1.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at <http://sourceware.cygnus.com/ecos>

Software distributed under the License is distributed on an "AS IS" basis, WITHOUT WARRANTY OF ANY KIND, either express or implied. See the License for the specific language governing rights and limitations under the License.

The Original Code is eCos - Embedded Cygnus Operating System, released September 30, 1998.

The Initial Developer of the Original Code is Cygnus. Portions created by Cygnus are Copyright (C) 1998 Cygnus Solutions. All Rights Reserved."

EXHIBIT B.

THE SOFTWARE IN THIS PRODUCT WAS IN PART PROVIDED BY CYGNUS SOLUTIONS AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Eclipse Distribution License, version 1.0
<<<<<<<xilinx-separator>>>>>>>
Copyright (c) 2007, Eclipse Foundation, Inc. and its licensors.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of the Eclipse Foundation, Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS ECLIPSE PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

"Contribution" means:

a) in the case of the initial Contributor, the initial code and documentation distributed under this Agreement, and

b) in the case of each subsequent Contributor:

i) changes to the Program, and

ii) additions to the Program;

where such changes and/or additions to the Program originate from and are distributed by that particular Contributor. A Contribution 'originates' from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. Contributions do not include additions to the Program which: (i) are separate modules of software distributed in conjunction with the Program under their own license agreement, and (ii) are not derivative works of the Program.

"Contributor" means any person or entity that distributes the Program.

"Licensed Patents" mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

"Program" means the Contributions distributed in accordance with this Agreement.

"Recipient" means anyone who receives the Program under this Agreement, including all Contributors.

2. GRANT OF RIGHTS

a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and object code form.

b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

- a) it complies with the terms and conditions of this Agreement; and
- b) its license agreement:
 - i) effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;
 - ii) effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;
 - iii) states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and
 - iv) states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

When the Program is made available in source code form:

- a) it must be made available under this Agreement; and
- b) a copy of this Agreement must be included with each copy of the Program.

Contributors may not remove or alter any copyright notices contained within the Program.

Each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution.

4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS

OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. The Eclipse Foundation is the initial Agreement Steward. The Eclipse Foundation may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.

This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.

Eclipse Public License - v 2.0
 <<<<<<<xilinx-separator>>>>>>>
 Eclipse Public License - v 2.0

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS ECLIPSEPUBLIC LICENSE (AGREEMENT). ANY USE, REPRODUCTION OR DISTRIBUTIONOF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

1. DEFINITIONS

Contribution means:

a) in the case of the initial Contributor, the initial content Distributed under this Agreement, and

b) in the case of each subsequent Contributor: i) changes to the Program, and
ii) additions to the Program;

where such changes and/or additions to the Program originate from and are Distributed by that particular Contributor. A Contribution originates from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. Contributions do not include changes or additions to the Program that are not Modified Works.

Contributor means any person or entity that Distributes the Program.

Licensed Patents mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

Program means the Contributions Distributed in accordance with this Agreement.

Recipient means anyone who receives the Program under this Agreement or any Secondary License (as applicable), including Contributors.

Derivative Works shall mean any work, whether in Source Code or other form, that is based on (or derived from) the Program and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship.

Modified Works shall mean any work in Source Code or other form that results from an addition to, deletion from, or modification of the contents of the Program, including, for purposes of clarity any new file in Source Code form that contains any contents of the Program. Modified Works shall not include works that contain only declarations, interfaces, types, classes, structures, or files of the Program solely in each case in order to link to, bind by name, or subclass the Program or Modified Works thereof.

Distribute means the acts of a) distributing or b) making available in any manner that enables the transfer of a copy.

Source Code means the form of a Program preferred for making modifications, including but not limited to software source code, documentation source, and configuration files.

Secondary License means either the GNU General Public License, Version 2.0, or any later versions of that license, including any exceptions or additional permissions as identified by the initial Contributor.

2. GRANT OF RIGHTS

a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, Distribute and sublicense the Contribution of such Contributor, if any, and such Derivative Works.

b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in Source Code or other form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to Distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

e) Notwithstanding the terms of any Secondary License, no Contributor makes additional grants to any Recipient (other than those set forth in this Agreement) as a result of such Recipient's receipt of the Program under the terms of a Secondary License (if permitted under the terms of Section 3).

3. REQUIREMENTS

3.1 If a Contributor Distributes the Program in any form, then:

- a) the Program must also be made available as Source Code, in accordance with section 3.2, and the Contributor must accompany the Program with a statement that the Source Code for the Program is available under this Agreement, and informs Recipients how to obtain it in a reasonable manner on or through a medium customarily used for software exchange; and
- b) the Contributor may Distribute the Program under a license different than this Agreement, provided that such license: i) effectively disclaims on behalf of all other Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose; ii) effectively excludes on behalf of all other Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits; iii) does not attempt to limit or alter the recipients' rights in the Source Code under section 3.2; and iv) requires any subsequent distribution of the Program by any party to be under a license that satisfies the requirements of this section 3.

3.2 When the Program is Distributed as Source Code:

- a) it must be made available under this Agreement, or if the Program (i) is combined with other material in a separate file or files made available under a Secondary License, and (ii) the initial Contributor attached to the Source Code the notice described in Exhibit A of this Agreement, then the Program may be made available under the terms of such Secondary Licenses, and
- b) a copy of this Agreement must be included with each copy of the Program.

3.3 Contributors may not remove or alter any copyright, patent, trademark, attribution notices, disclaimers of warranty, or limitations of liability (notices) contained within the Program from any copy of the Program which they Distribute, provided that Contributors may add their own appropriate notices.

4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor (Commercial Contributor) hereby agrees to defend and indemnify every other Contributor (Indemnified Contributor) against any losses, damages and costs (collectively Losses) arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE PROGRAM IS PROVIDED ON AN AS IS BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF

LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. The Eclipse Foundation is the initial Agreement Steward. The Eclipse Foundation may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be Distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to Distribute the Program (including its Contributions) under the new version.

Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved. Nothing in this Agreement is intended to be enforceable by any entity that is not a Contributor or Recipient. No third-party beneficiary rights are created under this Agreement.

Exhibit A Form of Secondary Licenses Notice

This Source Code may also be made available under the following Secondary Licenses when the conditions for such availability set forth in the Eclipse Public License, v. 2.0 are satisfied: {name license(s), version(s), and exceptions or additional permissions here}.

Simply including a copy of this Agreement, including this Exhibit A is not sufficient to license the Source Code under Secondary Licenses.

If it is not possible or desirable to put the notice in a particular file, then You may include the notice in a location (such as a LICENSE file in a relevant directory) where a recipient would be likely to look for such a notice.

You may add additional accurate notices of copyright ownership.

GCC RUNTIME LIBRARY EXCEPTION

This GCC Runtime Library Exception ("Exception") is an additional permission under section 7 of the GNU General Public License, version 3 ("GPLv3"). It applies to a given file (the "Runtime Library") that bears a notice placed by the copyright holder of the file stating that the file is governed by GPLv3 along with this Exception.

When you use GCC to compile a program, GCC may combine portions of certain GCC header files and runtime libraries with the compiled program. The purpose of this Exception is to allow compilation of non-GPL (including proprietary) programs to use, in this way, the header files and runtime libraries covered by this Exception.

0. Definitions.

A file is an "Independent Module" if it either requires the Runtime Library for execution after a Compilation Process, or makes use of an interface provided by the Runtime Library, but is not otherwise based on the Runtime Library.

"GCC" means a version of the GNU Compiler Collection, with or without modifications, governed by version 3 (or a specified later version) of the GNU General Public License (GPL) with the option of using any subsequent versions published by the FSF.

"GPL-compatible Software" is software whose conditions of propagation, modification and use would permit combination with GCC in accord with the license of GCC.

"Target Code" refers to output from any compiler for a real or virtual target processor architecture, in executable form or suitable for input to an assembler, loader, linker and/or execution phase. Notwithstanding that, Target Code does not include data in any format that is used as a compiler intermediate representation, or used for producing a compiler intermediate representation.

The "Compilation Process" transforms code entirely represented in non-intermediate languages designed for human-written code, and/or in Java Virtual Machine byte code, into Target Code. Thus, for example, use of source code generators and preprocessors need not be considered part of the Compilation Process, since the Compilation Process can be understood as starting with the output of the generators or preprocessors.

A Compilation Process is "Eligible" if it is done using GCC, alone or with other GPL-compatible software, or if it is done without using any work based on GCC. For example, using non-GPL-compatible Software to optimize any GCC intermediate representations would not qualify as an Eligible Compilation Process.

1. Grant of Additional Permission.

You have permission to propagate a work of Target Code formed by combining the Runtime Library with Independent Modules, even if such propagation would otherwise violate the terms of GPLv3, provided that all Target Code was generated by Eligible Compilation Processes. You may then convey such a combination under terms of your choice, consistent with the licensing of the Independent Modules.

2. No Weakening of GCC Copyleft.

The availability of this Exception does not imply any general presumption that third-party software is unaffected by the copyleft requirements of the license of GCC.

GNU Free Documentation License, version 1.1

```
<<<<<<<<xilinx-separator>>>>>>>>>
```

GNU Free Documentation License
Version 1.1, March 2000

Copyright (C) 2000 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

0. PREAMBLE

The purpose of this License is to make a manual, textbook, or other written document "free" in the sense of freedom: to assure everyone the effective freedom to copy and redistribute it, with or without modifying it, either commercially or noncommercially. Secondly, this License preserves for the author and publisher a way to get credit for their work, while not being considered responsible for modifications made by others.

This License is a kind of "copyleft", which means that derivative works of the document must themselves be free in the same sense. It complements the GNU General Public License, which is a copyleft license designed for free software.

We have designed this License in order to use it for manuals for free software, because free software needs free documentation: a free program should come with manuals providing the same freedoms that the software does. But this License is not limited to software manuals;

it can be used for any textual work, regardless of subject matter or whether it is published as a printed book. We recommend this License principally for works whose purpose is instruction or reference.

1. APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work that contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. The "Document", below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as "you".

A "Modified Version" of the Document means any work containing the Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.

A "Secondary Section" is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (For example, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The "Invariant Sections" are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License.

The "Cover Texts" are certain short passages of text that are listed, as Front-Cover Texts or Back-Cover Texts, in the notice that says that the Document is released under this License.

A "Transparent" copy of the Document means a machine-readable copy, represented in a format whose specification is available to the general public, whose contents can be viewed and edited directly and straightforwardly with generic text editors or (for images composed of pixels) generic paint programs or (for drawings) some widely available drawing editor, and that is suitable for input to text formatters or for automatic translation to a variety of formats suitable for input to text formatters. A copy made in an otherwise Transparent file format whose markup has been designed to thwart or discourage subsequent modification by readers is not Transparent. A copy that is not "Transparent" is called "Opaque".

Examples of suitable formats for Transparent copies include plain ASCII without markup, Texinfo input format, LaTeX input format, SGML or XML using a publicly available DTD, and standard-conforming simple HTML designed for human modification. Opaque formats include PostScript, PDF, proprietary formats that can be read and edited only by proprietary word processors, SGML or XML for which the DTD and/or processing tools are not generally available, and the machine-generated HTML produced by some word processors for output purposes only.

The "Title Page" means, for a printed book, the title page itself, plus such following pages as are needed to hold, legibly, the material this License requires to appear in the title page. For works in formats which do not have any title page as such, "Title Page" means the text near the most prominent appearance of the work's title, preceding the beginning of the body of the text.

2. VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.

3. COPYING IN QUANTITY

If you publish printed copies of the Document numbering more than 100, and the Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent pages.

If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a publicly-accessible computer-network location containing a complete Transparent copy of the Document, free of added material, which the general network-using public has access to download anonymously at no charge using public-standard network protocols. If you use the latter option, you must take reasonably prudent steps, when you begin distribution of Opaque copies in quantity, to ensure that this Transparent copy will remain thus accessible at the stated location until at least one year after the last time you distribute an Opaque copy (directly or through your agents or retailers) of that edition to the public.

It is requested, but not required, that you contact the authors of the

Document well before redistributing any large number of copies, to give them a chance to provide you with an updated version of the Document.

4. MODIFICATIONS

You may copy and distribute a Modified Version of the Document under the conditions of sections 2 and 3 above, provided that you release the Modified Version under precisely this License, with the Modified Version filling the role of the Document, thus licensing distribution and modification of the Modified Version to whoever possesses a copy of it. In addition, you must do these things in the Modified Version:

- A. Use in the Title Page (and on the covers, if any) a title distinct from that of the Document, and from those of previous versions (which should, if there were any, be listed in the History section of the Document). You may use the same title as a previous version if the original publisher of that version gives permission.
- B. List on the Title Page, as authors, one or more persons or entities responsible for authorship of the modifications in the Modified Version, together with at least five of the principal authors of the Document (all of its principal authors, if it has less than five).
- C. State on the Title page the name of the publisher of the Modified Version, as the publisher.
- D. Preserve all the copyright notices of the Document.
- E. Add an appropriate copyright notice for your modifications adjacent to the other copyright notices.
- F. Include, immediately after the copyright notices, a license notice giving the public permission to use the Modified Version under the terms of this License, in the form shown in the Addendum below.
- G. Preserve in that license notice the full lists of Invariant Sections and required Cover Texts given in the Document's license notice.
- H. Include an unaltered copy of this License.
- I. Preserve the section entitled "History", and its title, and add to it an item stating at least the title, year, new authors, and publisher of the Modified Version as given on the Title Page. If there is no section entitled "History" in the Document, create one stating the title, year, authors, and publisher of the Document as given on its Title Page, then add an item describing the Modified Version as stated in the previous sentence.
- J. Preserve the network location, if any, given in the Document for public access to a Transparent copy of the Document, and likewise the network locations given in the Document for previous versions it was based on. These may be placed in the "History" section. You may omit a network location for a work that was published at least four years before the Document itself, or if the original publisher of the version it refers to gives permission.
- K. In any section entitled "Acknowledgements" or "Dedications", preserve the section's title, and preserve in the section all the substance and tone of each of the contributor acknowledgements and/or dedications given therein.
- L. Preserve all the Invariant Sections of the Document, unaltered in their text and in their titles. Section numbers or the equivalent are not considered part of the section titles.
- M. Delete any section entitled "Endorsements". Such a section may not be included in the Modified Version.
- N. Do not retitle any existing section as "Endorsements" or to conflict in title with any Invariant Section.

If the Modified Version includes new front-matter sections or appendices that qualify as Secondary Sections and contain no material copied from the Document, you may at your option designate some or all of these sections as invariant. To do this, add their titles to the list of Invariant Sections in the Modified Version's license notice. These titles must be distinct from any other section titles.

You may add a section entitled "Endorsements", provided it contains nothing but endorsements of your Modified Version by various parties--for example, statements of peer review or that the text has been approved by an organization as the authoritative definition of a standard.

You may add a passage of up to five words as a Front-Cover Text, and a passage of up to 25 words as a Back-Cover Text, to the end of the list of Cover Texts in the Modified Version. Only one passage of Front-Cover Text and one of Back-Cover Text may be added by (or through arrangements made by) any one entity. If the Document already includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

5. COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice.

The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original author or publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections entitled "History" in the various original documents, forming one section entitled "History"; likewise combine any sections entitled "Acknowledgements", and any sections entitled "Dedications". You must delete all sections entitled "Endorsements."

6. COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents released under this License, and replace the individual copies of this

License in the various documents with a single copy that is included in the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.

7. AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate and independent documents or works, in or on a volume of a storage or distribution medium, does not as a whole count as a Modified Version of the Document, provided no compilation copyright is claimed for the compilation. Such a compilation is called an "aggregate", and this License does not apply to the other self-contained works thus compiled with the Document, on account of their being thus compiled, if they are not themselves derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one quarter of the entire aggregate, the Document's Cover Texts may be placed on covers that surround only the Document within the aggregate. Otherwise they must appear on covers around the whole aggregate.

8. TRANSLATION

Translation is considered a kind of modification, so you may distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License provided that you also include the original English version of this License. In case of a disagreement between the translation and the original English version of this License, the original English version will prevail.

9. TERMINATION

You may not copy, modify, sublicense, or distribute the Document except as expressly provided for under this License. Any other attempt to copy, modify, sublicense or distribute the Document is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

10. FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions of the GNU Free Documentation License from time to time. Such new versions will be similar in spirit to the present version, but may

Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this License "or any later version" applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation.

ADDENDUM: How to use this License for your documents

To use this License in a document you have written, include a copy of the License in the document and put the following copyright and license notices just after the title page:

Copyright (c) YEAR YOUR NAME.
Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.1 or any later version published by the Free Software Foundation; with the Invariant Sections being LIST THEIR TITLES, with the Front-Cover Texts being LIST, and with the Back-Cover Texts being LIST. A copy of the license is included in the section entitled "GNU Free Documentation License".

If you have no Invariant Sections, write "with no Invariant Sections" instead of saying which ones are invariant. If you have no Front-Cover Texts, write "no Front-Cover Texts" instead of "Front-Cover Texts being LIST"; likewise for Back-Cover Texts.

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License, to permit their use in free software.

GNU Free Documentation License, Version 1.2
 <<<<<<<<xilinx-separator>>>>>>>>
 GNU Free Documentation License
 Version 1.2, November 2002

Copyright (C) 2000,2001,2002 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies

of this license document, but changing it is not allowed.

0. PREAMBLE

The purpose of this License is to make a manual, textbook, or other functional and useful document "free" in the sense of freedom: to assure everyone the effective freedom to copy and redistribute it, with or without modifying it, either commercially or noncommercially. Secondly, this License preserves for the author and publisher a way to get credit for their work, while not being considered responsible for modifications made by others.

This License is a kind of "copyleft", which means that derivative works of the document must themselves be free in the same sense. It complements the GNU General Public License, which is a copyleft license designed for free software.

We have designed this License in order to use it for manuals for free software, because free software needs free documentation: a free program should come with manuals providing the same freedoms that the software does. But this License is not limited to software manuals; it can be used for any textual work, regardless of subject matter or whether it is published as a printed book. We recommend this License principally for works whose purpose is instruction or reference.

1. APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work, in any medium, that contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. Such a notice grants a world-wide, royalty-free license, unlimited in duration, to use that work under the conditions stated herein. The "Document", below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as "you". You accept the license if you copy, modify or distribute the work in a way requiring permission under copyright law.

A "Modified Version" of the Document means any work containing the Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.

A "Secondary Section" is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (Thus, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The "Invariant Sections" are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License. If a section does not fit the above definition of Secondary then it is not

allowed to be designated as Invariant. The Document may contain zero Invariant Sections. If the Document does not identify any Invariant Sections then there are none.

The "Cover Texts" are certain short passages of text that are listed, as Front-Cover Texts or Back-Cover Texts, in the notice that says that the Document is released under this License. A Front-Cover Text may be at most 5 words, and a Back-Cover Text may be at most 25 words.

A "Transparent" copy of the Document means a machine-readable copy, represented in a format whose specification is available to the general public, that is suitable for revising the document straightforwardly with generic text editors or (for images composed of pixels) generic paint programs or (for drawings) some widely available drawing editor, and that is suitable for input to text formatters or for automatic translation to a variety of formats suitable for input to text formatters. A copy made in an otherwise Transparent file format whose markup, or absence of markup, has been arranged to thwart or discourage subsequent modification by readers is not Transparent. An image format is not Transparent if used for any substantial amount of text. A copy that is not "Transparent" is called "Opaque".

Examples of suitable formats for Transparent copies include plain ASCII without markup, Texinfo input format, LaTeX input format, SGML or XML using a publicly available DTD, and standard-conforming simple HTML, PostScript or PDF designed for human modification. Examples of transparent image formats include PNG, XCF and JPG. Opaque formats include proprietary formats that can be read and edited only by proprietary word processors, SGML or XML for which the DTD and/or processing tools are not generally available, and the machine-generated HTML, PostScript or PDF produced by some word processors for output purposes only.

The "Title Page" means, for a printed book, the title page itself, plus such following pages as are needed to hold, legibly, the material this License requires to appear in the title page. For works in formats which do not have any title page as such, "Title Page" means the text near the most prominent appearance of the work's title, preceding the beginning of the body of the text.

A section "Entitled XYZ" means a named subunit of the Document whose title either is precisely XYZ or contains XYZ in parentheses following text that translates XYZ in another language. (Here XYZ stands for a specific section name mentioned below, such as "Acknowledgements", "Dedications", "Endorsements", or "History".) To "Preserve the Title" of such a section when you modify the Document means that it remains a section "Entitled XYZ" according to this definition.

The Document may include Warranty Disclaimers next to the notice which states that this License applies to the Document. These Warranty Disclaimers are considered to be included by reference in this License, but only as regards disclaiming warranties: any other implication that these Warranty Disclaimers may have is void and has no effect on the meaning of this License.

2. VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.

3. COPYING IN QUANTITY

If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent pages.

If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a computer-network location from which the general network-using public has access to download using public-standard network protocols a complete Transparent copy of the Document, free of added material. If you use the latter option, you must take reasonably prudent steps, when you begin distribution of Opaque copies in quantity, to ensure that this Transparent copy will remain thus accessible at the stated location until at least one year after the last time you distribute an Opaque copy (directly or through your agents or retailers) of that edition to the public.

It is requested, but not required, that you contact the authors of the Document well before redistributing any large number of copies, to give them a chance to provide you with an updated version of the Document.

4. MODIFICATIONS

You may copy and distribute a Modified Version of the Document under the conditions of sections 2 and 3 above, provided that you release the Modified Version under precisely this License, with the Modified Version filling the role of the Document, thus licensing distribution

and modification of the Modified Version to whoever possesses a copy of it. In addition, you must do these things in the Modified Version:

- A. Use in the Title Page (and on the covers, if any) a title distinct from that of the Document, and from those of previous versions (which should, if there were any, be listed in the History section of the Document). You may use the same title as a previous version if the original publisher of that version gives permission.
- B. List on the Title Page, as authors, one or more persons or entities responsible for authorship of the modifications in the Modified Version, together with at least five of the principal authors of the Document (all of its principal authors, if it has fewer than five), unless they release you from this requirement.
- C. State on the Title page the name of the publisher of the Modified Version, as the publisher.
- D. Preserve all the copyright notices of the Document.
- E. Add an appropriate copyright notice for your modifications adjacent to the other copyright notices.
- F. Include, immediately after the copyright notices, a license notice giving the public permission to use the Modified Version under the terms of this License, in the form shown in the Addendum below.
- G. Preserve in that license notice the full lists of Invariant Sections and required Cover Texts given in the Document's license notice.
- H. Include an unaltered copy of this License.
- I. Preserve the section Entitled "History", Preserve its Title, and add to it an item stating at least the title, year, new authors, and publisher of the Modified Version as given on the Title Page. If there is no section Entitled "History" in the Document, create one stating the title, year, authors, and publisher of the Document as given on its Title Page, then add an item describing the Modified Version as stated in the previous sentence.
- J. Preserve the network location, if any, given in the Document for public access to a Transparent copy of the Document, and likewise the network locations given in the Document for previous versions it was based on. These may be placed in the "History" section. You may omit a network location for a work that was published at least four years before the Document itself, or if the original publisher of the version it refers to gives permission.
- K. For any section Entitled "Acknowledgements" or "Dedications", Preserve the Title of the section, and preserve in the section all the substance and tone of each of the contributor acknowledgements and/or dedications given therein.
- L. Preserve all the Invariant Sections of the Document, unaltered in their text and in their titles. Section numbers or the equivalent are not considered part of the section titles.
- M. Delete any section Entitled "Endorsements". Such a section may not be included in the Modified Version.
- N. Do not retitle any existing section to be Entitled "Endorsements" or to conflict in title with any Invariant Section.
- O. Preserve any Warranty Disclaimers.

If the Modified Version includes new front-matter sections or appendices that qualify as Secondary Sections and contain no material copied from the Document, you may at your option designate some or all of these sections as invariant. To do this, add their titles to the list of Invariant Sections in the Modified Version's license notice. These titles must be distinct from any other section titles.

You may add a section Entitled "Endorsements", provided it contains nothing but endorsements of your Modified Version by various parties--for example, statements of peer review or that the text has been approved by an organization as the authoritative definition of a standard.

You may add a passage of up to five words as a Front-Cover Text, and a passage of up to 25 words as a Back-Cover Text, to the end of the list of Cover Texts in the Modified Version. Only one passage of Front-Cover Text and one of Back-Cover Text may be added by (or through arrangements made by) any one entity. If the Document already includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

5. COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice, and that you preserve all their Warranty Disclaimers.

The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original author or publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections Entitled "History" in the various original documents, forming one section Entitled "History"; likewise combine any sections Entitled "Acknowledgements", and any sections Entitled "Dedications". You must delete all sections Entitled "Endorsements".

6. COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents released under this License, and replace the individual copies of this License in the various documents with a single copy that is included in the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.

7. AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate and independent documents or works, in or on a volume of a storage or distribution medium, is called an "aggregate" if the copyright resulting from the compilation is not used to limit the legal rights of the compilation's users beyond what the individual works permit. When the Document is included in an aggregate, this License does not apply to the other works in the aggregate which are not themselves derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one half of the entire aggregate, the Document's Cover Texts may be placed on covers that bracket the Document within the aggregate, or the electronic equivalent of covers if the Document is in electronic form. Otherwise they must appear on printed covers that bracket the whole aggregate.

8. TRANSLATION

Translation is considered a kind of modification, so you may distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include the original English version of this License and the original versions of those notices and disclaimers. In case of a disagreement between the translation and the original version of this License or a notice or disclaimer, the original version will prevail.

If a section in the Document is Entitled "Acknowledgements", "Dedications", or "History", the requirement (section 4) to Preserve its Title (section 1) will typically require changing the actual title.

9. TERMINATION

You may not copy, modify, sublicense, or distribute the Document except as expressly provided for under this License. Any other attempt to copy, modify, sublicense or distribute the Document is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

10. FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions of the GNU Free Documentation License from time to time. Such new

Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this License "or any later version" applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation.

To use this License in a document you have written, include a copy of the License in the document and put the following copyright and license notices just after the title page:

Copyright (c) YEAR YOUR NAME.
Permission is granted to copy, distribute and/or modify this document
under the terms of the GNU Free Documentation License, Version 1.2
or any later version published by the Free Software Foundation;
with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts.
A copy of the license is included in the section entitled "GNU
Free Documentation License".

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the "with...Texts." line with this:

with the Invariant Sections being LIST THEIR TITLES, with the Front-Cover Texts being LIST, and with the Back-Cover Texts being LIST.

If you have Invariant Sections without Cover Texts, or some other combination of the three, merge those two alternatives to suit the situation.

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License, to permit their use in free software.

GNU General Public License, version 2
 <<<<<<<xilinx-separator>>>>>>>
 GNU GENERAL PUBLIC LICENSE
 Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based

on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

- a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
- b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
- c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such

parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>

Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

GNU General Public License, version 3
 <<<<<<<<xilinx-separator>>>>>>>>
 GNU GENERAL PUBLIC LICENSE
 Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <<http://fsf.org/>>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to

authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2)

tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

1. Source Code.

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.

4. Conveying Verbatim Copies.

You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

- a) The work must carry prominent notices stating that you modified it, and giving a relevant date.
- b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to

copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided,

in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

- a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or
- b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or
- c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or
- d) Limiting the use for publicity purposes of names of licensors or authors of the material; or
- e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or
- f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does

not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.

9. Acceptance Not Required for Having Copies.

You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an

organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.

12. No Surrender of Others' Freedom.

If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

```
<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>
```

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

```
<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

GNU Lesser General Public License, version 2.1

```
<<<<<<<xilinx-separator>>>>>>>>
```

GNU LESSER GENERAL PUBLIC LICENSE

Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.

51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library General Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling

it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
- b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
- c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined

library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

- a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
- b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the

integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE

LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

GNU Lesser General Public License, version 3

<<<<<<<xilinx-separator>>>>>>>

GNU LESSER GENERAL PUBLIC LICENSE

Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <<http://fsf.org/>>

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

This version of the GNU Lesser General Public License incorporates the terms and conditions of version 3 of the GNU General Public License, supplemented by the additional permissions listed below.

0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser General Public License, and the "GNU GPL" refers to version 3 of the GNU General Public License.

"The Library" refers to a covered work governed by this License, other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided by the Library, but which is not otherwise based on the Library. Defining a subclass of a class defined by the Library is deemed a mode of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an Application with the Library. The particular version of the Library with which the Combined Work was made is also called the "Linked Version".

The "Minimal Corresponding Source" for a Combined Work means the Corresponding Source for the Combined Work, excluding any source code for portions of the Combined Work that, considered in isolation, are based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

- a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or
- b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.

3. Object Code Incorporating Material from Library Header Files.

The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

- a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.
- b) Accompany the object code with a copy of the GNU GPL and this license document.

4. Combined Works.

You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

- a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.
- b) Accompany the Combined Work with a copy of the GNU GPL and this license document.
- c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.
- d) Do one of the following:

0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.

1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)

5. Combined Libraries.

You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

- a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.
- b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser

[Public]

General Public License ever published by the Free Software Foundation.

If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

GNU Library General Public License, version 2
 <<<<<<<<xilinx-separator>>>>>>>>
 GNU LIBRARY GENERAL PUBLIC LICENSE
 Version 2, June 1991

Copyright (C) 1991 Free Software Foundation, Inc.
59 Temple Place - Suite 330, Boston, MA 02111-1307, USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free

libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

GNU LIBRARY GENERAL PUBLIC LICENSE TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy,

and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify

that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit

modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
- b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

- a) Accompany the combined library with a copy of the same work

based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing

to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Library General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

it complies with the terms and conditions of this Agreement;
if the Program is distributed in source code or other tangible form, a copy of this Agreement or Distributor's own license agreement is included with each copy of the Program; and
if distributed under Distributor's own license agreement, such license agreement:
effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;
effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits; and
states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party.

B. Each Distributor must include the following in a conspicuous location in the Program:

Copyright (C) <YEAR>, <ORGANIZATION> and others. All Rights Reserved.

C. In addition, each Contributor must identify itself as the originator of its Contribution in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution. Also, each Contributor must agree that the additions and/or changes are intended to be a Contribution. Once a Contribution is contributed, it may not thereafter be revoked.

4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Distributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for Contributors. Therefore, if a Distributor includes the Program in a commercial product offering, such Distributor ("Commercial Distributor") hereby agrees to defend and indemnify every Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Distributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Distributor in writing of such claim, and b) allow the Commercial Distributor to control, and cooperate with the Commercial Distributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Distributor might include the Program in a commercial product offering, Product X. That Distributor is then a Commercial Distributor. If that Commercial Distributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Distributor's responsibility alone. Under this section, the Commercial Distributor would have to defend claims against the Contributors related to those performance claims and warranties, and if a court requires any Contributor to pay any damages as a result, the Commercial Distributor must pay those damages.

5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. EXPORT CONTROL

Recipient agrees that Recipient alone is responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries).

8. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against a Contributor with respect to a patent applicable to software (including a cross-claim or counterclaim in a lawsuit), then any patent licenses granted by that Contributor to such Recipient under this Agreement shall terminate as of the date such litigation is filed. In addition, if Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

LUCENT may publish new versions (including revisions) of this Agreement from time to time. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. No one other than LUCENT has the right to modify this Agreement. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.

This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.

METRO LINK PUBLIC LICENSE
<<<<<<<xilinx-separator>>>>>>>>

METRO LINK PUBLIC LICENSE
MOTIF GRAPHICAL USER INTERFACE SOFTWARE
Version 1.00

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS METRO LINK PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

1. DEFINITIONS

"Contribution" means:

a. in the case of METRO LINK, INCORPORATED ("METRO LINK"), the Metro Link Program, and

b. in the case of each Contributor,

1. changes to the Program, and
2. additions to the Program;

where such changes and/or additions to the Program originate from and are distributed by that particular Contributor. A Contribution 'originates' from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. Contributions do not include additions to the Program which: (i) are separate modules of software distributed in conjunction with the Program under their own license agreement, and (ii) are not derivative works of the Program.

"Contributor" means The Open Group, METRO LINK and any other entity that distributes the Program.

"Licensed Patents" mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

"Open Source" programs mean software for the source code is available without confidential or trade secret restrictions and for which the source code and object code are available for distribution without license charges.

"Metro Link Program" means the original version of the software accompanying this Agreement as released by METRO LINK, including source code, object code and documentation, if any.

"Program" means the Metro Link Program and Contributions.

"Recipient" means anyone who receives the Program under this Agreement, including all Contributors.

2. GRANT OF RIGHTS

The rights granted under this license are limited solely to distribution and sublicensing of the Contribution(s) on, with or for operating systems which are themselves Open Source programs.

a. Subject to the terms of this Agreement, The Open Group Public License Agreement attached hereto (The Open Group Agreement) and the limitations of this Section 2, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and object code form.

b. Subject to the terms of this Agreement, The Open Group Agreement and this Section 2, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

c. Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d. Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

- a. it complies with the terms and conditions of this Agreement and The Open Group Agreement; and

b. its license agreement:

1. effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;
2. effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;
3. states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and
4. states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

When the Program is made available in source code form:

- a. it must be made available under this Agreement and the Open Group Agreement; and
- b. a copy of this Agreement must be included with each copy of the Program.

Each Contributor must include the following in a conspicuous location in the Program:

Copyright (C) May, 2000 The Open Group, Metro Link, Incorporated and others. All Rights Reserved

In addition, each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution.

4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must:

- a) promptly notify the Commercial Contributor in writing of such claim, and
- b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations.

The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible

for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against a Contributor with respect to a patent applicable to software (including a cross-claim or counterclaim in a lawsuit), then any patent licenses granted by that Contributor to such Recipient under this Agreement shall terminate as of the date such litigation is filed. In addition, if Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

METRO LINK may publish new versions (including revisions) of this Agreement from time to time. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. No one other than METRO LINK has the right to modify this Agreement. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.

This Agreement is governed by the laws of the State of Florida and the intellectual property laws of the United States of America.

No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.

MIT
 <<<<<<<xilinx-separator>>>>>>>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

=====

1.0.1. "Commercial Use" means distribution or otherwise making the Covered Code available to a third party.

1.1. "Contributor" means each entity that creates or contributes to the creation of Modifications.

1.2. "Contributor Version" means the combination of the Original Code, prior Modifications used by a Contributor, and the Modifications made by that particular Contributor.

1.3. "Covered Code" means the Original Code or Modifications or the combination of the Original Code and Modifications, in each case including portions thereof.

1.4. "Electronic Distribution Mechanism" means a mechanism generally accepted in the software development community for the electronic transfer of data.

1.5. "Executable" means Covered Code in any form other than Source Code.

1.6. "Initial Developer" means the individual or entity identified as the Initial Developer in the Source Code notice required by Exhibit A.

1.7. "Larger Work" means a work which combines Covered Code or portions thereof with code not governed by the terms of this License.

1.8. "License" means this document.

1.8.1. "Licensable" means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. "Modifications" means any addition to or deletion from the substance or structure of either the Original Code or any previous Modifications. When Covered Code is released as a series of files, a

Modification is:

- A. Any addition to or deletion from the contents of a file containing Original Code or previous Modifications.
- B. Any new file that contains any part of the Original Code or previous Modifications.

1.10. "Original Code" means Source Code of computer software code which is described in the Source Code notice required by Exhibit A as Original Code, and which, at the time of its release under this License is not already Covered Code governed by this License.

1.10.1. "Patent Claims" means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.11. "Source Code" means the preferred form of the Covered Code for making modifications to it, including all modules it contains, plus any associated interface definition files, scripts used to control compilation and installation of an Executable, or source code differential comparisons against either the Original Code or another well known, available Covered Code of the Contributor's choice. The Source Code can be in a compressed or archival form, provided the appropriate decompression or de-archiving software is widely available for no charge.

1.12. "You" (or "Your") means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License or a future version of this License issued under Section 6.1. For legal entities, "You" includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. Source Code License.

2.1. The Initial Developer Grant.

The Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license, subject to third party intellectual property claims:

- (a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer to use, reproduce, modify, display, perform, sublicense and distribute the Original Code (or portions thereof) with or without Modifications, and/or as part of a Larger Work; and
- (b) under Patents Claims infringed by the making, using or selling of Original Code, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Code (or portions thereof).
- (c) the licenses granted in this Section 2.1(a) and (b) are effective on the date Initial Developer first distributes Original Code under the terms of this License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted: 1) for code that You delete from the Original Code; 2) separate from the Original Code; or 3) for infringements caused by: i) the modification of the Original Code or ii) the combination of the Original Code with other software or devices.

2.2. Contributor Grant.

Subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor, to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof) either on an unmodified basis, with other Modifications, as Covered Code and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: 1) Modifications made by that Contributor (or portions thereof); and 2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) the licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first makes Commercial Use of the Covered Code.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted: 1) for any code that Contributor has deleted from the Contributor Version; 2) separate from the Contributor Version; 3) for infringements caused by: i) third party modifications of Contributor Version or ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or 4) under Patent Claims infringed by Covered Code in the absence of Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Application of License.

The Modifications which You create or to which You contribute are governed by the terms of this License, including without limitation Section 2.2. The Source Code version of Covered Code may be distributed only under the terms of this License or a future version of this License released under Section 6.1, and You must include a copy of this License with every copy of the Source Code You distribute. You may not offer or impose any terms on any Source Code version that alters or restricts the applicable version of this License or the recipients' rights hereunder. However, You may include an additional document offering the additional rights described in Section 3.5.

3.2. Availability of Source Code.

Any Modification which You create or to which You contribute must be made available in Source Code form under the terms of this License

either on the same media as an Executable version or via an accepted Electronic Distribution Mechanism to anyone to whom you made an Executable version available; and if made available via Electronic Distribution Mechanism, must remain available for at least twelve (12) months after the date it initially became available, or at least six (6) months after a subsequent version of that particular Modification has been made available to such recipients. You are responsible for ensuring that the Source Code version remains available even if the Electronic Distribution Mechanism is maintained by a third party.

3.3. Description of Modifications.

You must cause all Covered Code to which You contribute to contain a file documenting the changes You made to create that Covered Code and the date of any change. You must include a prominent statement that the Modification is derived, directly or indirectly, from Original Code provided by the Initial Developer and including the name of the Initial Developer in (a) the Source Code, and (b) in any notice in an Executable version or related documentation in which You describe the origin or ownership of the Covered Code.

3.4. Intellectual Property Matters

(a) Third Party Claims.

If Contributor has knowledge that a license under a third party's intellectual property rights is required to exercise the rights granted by such Contributor under Sections 2.1 or 2.2, Contributor must include a text file with the Source Code distribution titled "LEGAL" which describes the claim and the party making the claim in sufficient detail that a recipient will know whom to contact. If Contributor obtains such knowledge after the Modification is made available as described in Section 3.2, Contributor shall promptly modify the LEGAL file in all copies Contributor makes available thereafter and shall take other steps (such as notifying appropriate mailing lists or newsgroups) reasonably calculated to inform those who received the Covered Code that new knowledge has been obtained.

(b) Contributor APIs.

If Contributor's Modifications include an application programming interface and Contributor has knowledge of patent licenses which are reasonably necessary to implement that API, Contributor must also include this information in the LEGAL file.

(c) Representations.

Contributor represents that, except as disclosed pursuant to Section 3.4(a) above, Contributor believes that Contributor's Modifications are Contributor's original creation(s) and/or Contributor has sufficient rights to grant the rights conveyed by this License.

3.5. Required Notices.

You must duplicate the notice in Exhibit A in each file of the Source Code. If it is not possible to put such notice in a particular Source Code file due to its structure, then You must include such notice in a location (such as a relevant directory) where a user would be likely to look for such a notice. If You created one or more Modification(s) You may add your name as a Contributor to the notice described in Exhibit A. You must also duplicate this License in any documentation for the Source Code where You describe recipients' rights or ownership

rights relating to Covered Code. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Code. However, You may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear than any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.6. Distribution of Executable Versions.

You may distribute Covered Code in Executable form only if the requirements of Section 3.1-3.5 have been met for that Covered Code, and if You include a notice stating that the Source Code version of the Covered Code is available under the terms of this License, including a description of how and where You have fulfilled the obligations of Section 3.2. The notice must be conspicuously included in any notice in an Executable version, related documentation or collateral in which You describe recipients' rights relating to the Covered Code. You may distribute the Executable version of Covered Code or ownership rights under a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable version does not attempt to limit or alter the recipient's rights in the Source Code version from the rights set forth in this License. If You distribute the Executable version under a different license You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or any Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

3.7. Larger Works.

You may create a Larger Work by combining Covered Code with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Code.

4. Inability to Comply Due to Statute or Regulation.

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Code due to statute, judicial order, or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be included in the LEGAL file described in Section 3.4 and must be included with all distributions of the Source Code. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it.

5. Application of this License.

This License applies to code to which the Initial Developer has attached the notice in Exhibit A and to related Covered Code.

6. Versions of the License.

6.1. New Versions.

Netscape Communications Corporation ("Netscape") may publish revised and/or new versions of the License from time to time. Each version will be given a distinguishing version number.

6.2. Effect of New Versions.

Once Covered Code has been published under a particular version of the License, You may always continue to use it under the terms of that version. You may also choose to use such Covered Code under the terms of any subsequent version of the License published by Netscape. No one other than Netscape has the right to modify the terms applicable to Covered Code created under this License.

6.3. Derivative Works.

If You create or use a modified version of this License (which you may only do in order to apply it to code which is not already Covered Code governed by this License), You must (a) rename Your license so that the phrases "Mozilla", "MOZILLAPL", "MOZPL", "Netscape", "MPL", "NPL" or any confusingly similar phrase do not appear in your license (except to note that your license differs from this License) and (b) otherwise make it clear that Your version of the license contains terms which differ from the Mozilla Public License and Netscape Public License. (Filling in the name of the Initial Developer, Original Code or Contributor in the notice described in Exhibit A shall not of themselves be deemed to be modifications of this License.)

7. DISCLAIMER OF WARRANTY.

COVERED CODE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED CODE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED CODE IS WITH YOU. SHOULD ANY COVERED CODE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED CODE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

8. TERMINATION.

8.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. All sublicenses to the Covered Code which are properly granted shall survive any termination of this License. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

8.2. If You initiate litigation by asserting a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You file such action is referred to as "Participant") alleging that:

(a) such Participant's Contributor Version directly or indirectly

infringes any patent, then any and all rights granted by such Participant to You under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively, unless if within 60 days after receipt of notice You either: (i) agree in writing to pay Participant a mutually agreeable reasonable royalty for Your past and future use of Modifications made by such Participant, or (ii) withdraw Your litigation claim with respect to the Contributor Version against such Participant. If within 60 days of notice, a reasonable royalty and payment arrangement are not mutually agreed upon in writing by the parties or the litigation claim is not withdrawn, the rights granted by Participant to You under Sections 2.1 and/or 2.2 automatically terminate at the expiration of the 60 day notice period specified above.

(b) any software, hardware, or device, other than such Participant's Contributor Version, directly or indirectly infringes any patent, then any rights granted to You by such Participant under Sections 2.1(b) and 2.2(b) are revoked effective as of the date You first made, used, sold, distributed, or had made, Modifications made by that Participant.

8.3. If You assert a patent infringement claim against Participant alleging that such Participant's Contributor Version directly or indirectly infringes any patent where such claim is resolved (such as by license or settlement) prior to the initiation of patent infringement litigation, then the reasonable value of the licenses granted by such Participant under Sections 2.1 or 2.2 shall be taken into account in determining the amount or value of any payment or license.

8.4. In the event of termination under Sections 8.1 or 8.2 above, all end user license agreements (excluding distributors and resellers) which have been validly granted by You or any distributor hereunder prior to termination shall survive termination.

9. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED CODE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

10. U.S. GOVERNMENT END USERS.

The Covered Code is a "commercial item," as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of "commercial computer software" and "commercial computer software documentation," as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48

C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Code with only those rights set forth herein.

11. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by California law provisions (except to the extent applicable law, if any, provides otherwise), excluding its conflict-of-law provisions. With respect to disputes in which at least one party is a citizen of, or an entity chartered or registered to do business in the United States of America, any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern District of California, with venue lying in Santa Clara County, California, with the losing party responsible for costs, including without limitation, court costs and reasonable attorneys' fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License.

12. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

13. MULTIPLE-LICENSED CODE.

Initial Developer may designate portions of the Covered Code as "Multiple-Licensed". "Multiple-Licensed" means that the Initial Developer permits you to utilize portions of the Covered Code under Your choice of the NPL or the alternative licenses, if any, specified by the Initial Developer in the file described in Exhibit A.

EXHIBIT A -Mozilla Public License.

` ` The contents of this file are subject to the Mozilla Public License Version 1.1 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at <http://www.mozilla.org/MPL/>

Software distributed under the License is distributed on an "AS IS" basis, WITHOUT WARRANTY OF ANY KIND, either express or implied. See the License for the specific language governing rights and limitations under the License.

The Original Code is _____.

The Initial Developer of the Original Code is _____.

Portions created by _____ are Copyright (C) _____

_____. All Rights Reserved.

Contributor(s): _____

Alternatively, the contents of this file may be used under the terms of the ____ license (the "[] License"), in which case the provisions of [] License are applicable instead of those above. If you wish to allow use of your version of this file only under the terms of the [] License and not to allow others to use your version of this file under the MPL, indicate your decision by deleting the provisions above and replace them with the notice and other provisions required by the [] License. If you do not delete the provisions above, a recipient may use your version of this file under either the MPL or the [] License."

[NOTE: The text of this Exhibit A may differ slightly from the text of the notices in the Source Code files of the Original Code. You should use the text of this Exhibit A rather than the text found in the Original Code Source Code for Your Modifications.]

```

Mozilla Public License Version 2.0
<<<<<<<<xilinx-separator>>>>>>>>
Mozilla Public License Version 2.0
=====

```

1. Definitions

1.1. "Contributor"

means each individual or legal entity that creates, contributes to the creation of, or owns Covered Software.

1.2. "Contributor Version"

means the combination of the Contributions of others (if any) used by a Contributor and that particular Contributor's Contribution.

1.3. "Contribution"

means Covered Software of a particular Contributor.

1.4. "Covered Software"

means Source Code Form to which the initial Contributor has attached the notice in Exhibit A, the Executable Form of such Source Code Form, and Modifications of such Source Code Form, in each case including portions thereof.

1.5. "Incompatible With Secondary Licenses"

means

- (a) that the initial Contributor has attached the notice described in Exhibit B to the Covered Software; or
- (b) that the Covered Software was made available under the terms of version 1.1 or earlier of the License, but not also under the terms of a Secondary License.

1.6. "Executable Form"

means any form of the work other than Source Code Form.

1.7. "Larger Work"

means a work that combines Covered Software with other material, in a separate file or files, that is not Covered Software.

1.8. "License"

means this document.

1.9. "Licensable"

means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently, any and all of the rights conveyed by this License.

1.10. "Modifications"

means any of the following:

(a) any file in Source Code Form that results from an addition to, deletion from, or modification of the contents of Covered Software; or

(b) any new file in Source Code Form that contains any Covered Software.

1.11. "Patent Claims" of a Contributor

means any patent claim(s), including without limitation, method, process, and apparatus claims, in any patent Licensable by such Contributor that would be infringed, but for the grant of the License, by the making, using, selling, offering for sale, having made, import, or transfer of either its Contributions or its Contributor Version.

1.12. "Secondary License"

means either the GNU General Public License, Version 2.0, the GNU Lesser General Public License, Version 2.1, the GNU Affero General Public License, Version 3.0, or any later versions of those licenses.

1.13. "Source Code Form"

means the form of the work preferred for making modifications.

1.14. "You" (or "Your")

means an individual or a legal entity exercising rights under this License. For legal entities, "You" includes any entity that controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants and Conditions

2.1. Grants

Each Contributor hereby grants You a world-wide, royalty-free,

non-exclusive license:

- (a) under intellectual property rights (other than patent or trademark)
Licensable by such Contributor to use, reproduce, make available, modify, display, perform, distribute, and otherwise exploit its Contributions, either on an unmodified basis, with Modifications, or as part of a Larger Work; and
- (b) under Patent Claims of such Contributor to make, use, sell, offer for sale, have made, import, and otherwise transfer either its Contributions or its Contributor Version.

2.2. Effective Date

The licenses granted in Section 2.1 with respect to any Contribution become effective for each Contribution on the date the Contributor first distributes such Contribution.

2.3. Limitations on Grant Scope

The licenses granted in this Section 2 are the only rights granted under this License. No additional rights or licenses will be implied from the distribution or licensing of Covered Software under this License. Notwithstanding Section 2.1(b) above, no patent license is granted by a Contributor:

- (a) for any code that a Contributor has removed from Covered Software;
or
- (b) for infringements caused by: (i) Your and any other third party's modifications of Covered Software, or (ii) the combination of its Contributions with other software (except as part of its Contributor Version); or
- (c) under Patent Claims infringed by Covered Software in the absence of its Contributions.

This License does not grant any rights in the trademarks, service marks, or logos of any Contributor (except as may be necessary to comply with the notice requirements in Section 3.4).

2.4. Subsequent Licenses

No Contributor makes additional grants as a result of Your choice to distribute the Covered Software under a subsequent version of this License (see Section 10.2) or under the terms of a Secondary License (if permitted under the terms of Section 3.3).

2.5. Representation

Each Contributor represents that the Contributor believes its Contributions are its original creation(s) or it has sufficient rights to grant the rights to its Contributions conveyed by this License.

2.6. Fair Use

This License is not intended to limit any rights You have under applicable copyright doctrines of fair use, fair dealing, or other

equivalents.

2.7. Conditions

Sections 3.1, 3.2, 3.3, and 3.4 are conditions of the licenses granted in Section 2.1.

3. Responsibilities

3.1. Distribution of Source Form

All distribution of Covered Software in Source Code Form, including any Modifications that You create or to which You contribute, must be under the terms of this License. You must inform recipients that the Source Code Form of the Covered Software is governed by the terms of this License, and how they can obtain a copy of this License. You may not attempt to alter or restrict the recipients' rights in the Source Code Form.

3.2. Distribution of Executable Form

If You distribute Covered Software in Executable Form then:

- (a) such Covered Software must also be made available in Source Code Form, as described in Section 3.1, and You must inform recipients of the Executable Form how they can obtain a copy of such Source Code Form by reasonable means in a timely manner, at a charge no more than the cost of distribution to the recipient; and
- (b) You may distribute such Executable Form under the terms of this License, or sublicense it under different terms, provided that the license for the Executable Form does not attempt to limit or alter the recipients' rights in the Source Code Form under this License.

3.3. Distribution of a Larger Work

You may create and distribute a Larger Work under terms of Your choice, provided that You also comply with the requirements of this License for the Covered Software. If the Larger Work is a combination of Covered Software with a work governed by one or more Secondary Licenses, and the Covered Software is not Incompatible With Secondary Licenses, this License permits You to additionally distribute such Covered Software under the terms of such Secondary License(s), so that the recipient of the Larger Work may, at their option, further distribute the Covered Software under the terms of either this License or such Secondary License(s).

3.4. Notices

You may not remove or alter the substance of any license notices (including copyright notices, patent notices, disclaimers of warranty, or limitations of liability) contained within the Source Code Form of the Covered Software, except that You may alter any license notices to the extent required to remedy known factual inaccuracies.

3.5. Application of Additional Terms

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Software due to statute, judicial order, or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be placed in a text file included with all distributions of the Covered Software under this License. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it.

5.1.1. The rights granted under this License will terminate automatically if You fail to comply with any of its terms. However, if You become compliant, then the rights granted under this License from a particular Contributor are reinstated (a) provisionally, unless and until such Contributor explicitly and finally terminates Your grants, and (b) on an ongoing basis, if such Contributor fails to notify You of the non-compliance by some reasonable means prior to 60 days after You have come back into compliance. Moreover, Your grants from a particular Contributor are reinstated on an ongoing basis if such Contributor notifies You of the non-compliance by some reasonable means, this is the first time You have received notice of non-compliance with this License from such Contributor, and You become compliant prior to 30 days after Your receipt of the notice.

5.2. If You initiate litigation against any entity by asserting a patent infringement claim (excluding declaratory judgment actions, counter-claims, and cross-claims) alleging that a Contributor Version directly or indirectly infringes any patent, then the rights granted to You by any and all Contributors for the Covered Software under Section 2.1 of this License shall terminate.

5.3. In the event of termination under Sections 5.1 or 5.2 above, all end user license agreements (excluding distributors and resellers) which have been validly granted by You or Your distributors under this License prior to termination shall survive termination.

* * *

* 6. Disclaimer of Warranty *

* ----- *

* *

* Covered Software is provided under this License on an "as is" *
* basis, without warranty of any kind, either expressed, implied, or *
* statutory, including, without limitation, warranties that the *
* Covered Software is free of defects, merchantable, fit for a *
* particular purpose or non-infringing. The entire risk as to the *
* quality and performance of the Covered Software is with You. *
* Should any Covered Software prove defective in any respect, You *
* (not any Contributor) assume the cost of any necessary servicing, *
* repair, or correction. This disclaimer of warranty constitutes an *
* essential part of this License. No use of any Covered Software is *
* authorized under this License except under this disclaimer. *
* *

* *
* 7. Limitation of Liability *
* ----- *
* *
* Under no circumstances and under no legal theory, whether tort *
* (including negligence), contract, or otherwise, shall any *
* Contributor, or anyone who distributes Covered Software as *
* permitted above, be liable to You for any direct, indirect, *
* special, incidental, or consequential damages of any character *
* including, without limitation, damages for lost profits, loss of *
* goodwill, work stoppage, computer failure or malfunction, or any *
* and all other commercial damages or losses, even if such party *
* shall have been informed of the possibility of such damages. This *
* limitation of liability shall not apply to liability for death or *
* personal injury resulting from such party's negligence to the *
* extent applicable law prohibits such limitation. Some *
* jurisdictions do not allow the exclusion or limitation of *
* incidental or consequential damages, so this exclusion and *
* limitation may not apply to You. *
* *

8. Litigation

Any litigation relating to this License may be brought only in the courts of a jurisdiction where the defendant maintains its principal place of business and such litigation shall be governed by laws of that jurisdiction, without reference to its conflict-of-law provisions. Nothing in this Section shall prevent a party's ability to bring cross-claims or counter-claims.

9. Miscellaneous

This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not be used to construe this License against a Contributor.

10. Versions of the License

10.1. New Versions

Mozilla Foundation is the license steward. Except as provided in Section 10.3, no one other than the license steward has the right to modify or publish new versions of this License. Each version will be given a distinguishing version number.

10.2. Effect of New Versions

You may distribute the Covered Software under the terms of the version of the License under which You originally received the Covered Software, or under the terms of any subsequent version published by the license steward.

10.3. Modified Versions

If you create software not governed by this License, and you want to create a new license for such software, you may create and use a modified version of this License if you rename the license and remove any references to the name of the license steward (except to note that such modified license differs from this License).

10.4. Distributing Source Code Form that is Incompatible With Secondary Licenses

If You choose to distribute Source Code Form that is Incompatible With Secondary Licenses under the terms of this version of the License, the notice described in Exhibit B of this License must be attached.

Exhibit A - Source Code Form License Notice

This Source Code Form is subject to the terms of the Mozilla Public License, v. 2.0. If a copy of the MPL was not distributed with this file, You can obtain one at <http://mozilla.org/MPL/2.0/>.

If it is not possible or desirable to put the notice in a particular file, then You may include the notice in a location (such as a LICENSE file in a relevant directory) where a recipient would be likely to look for such a notice.

You may add additional accurate notices of copyright ownership.

Exhibit B - "Incompatible With Secondary Licenses" Notice

This Source Code Form is "Incompatible With Secondary Licenses", as defined by the Mozilla Public License, v. 2.0.

[Public]

2.7 2.6 2010 PSF yes

Footnotes:

(1) GPL-compatible doesn't mean that we're distributing Python under the GPL. All Python licenses, unlike the GPL, let you distribute a modified version without making your changes open source. The GPL-compatible licenses make it possible to combine Python with other software that is released under the GPL; the others don't.

(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

B. TERMS AND CONDITIONS FOR ACCESSING OR OTHERWISE USING PYTHON

PYTHON SOFTWARE FOUNDATION LICENSE VERSION 2

1. This LICENSE AGREEMENT is between the Python Software Foundation ("PSF"), and the Individual or Organization ("Licensee") accessing and otherwise using this software ("Python") in source or binary form and its associated documentation.

2. Subject to the terms and conditions of this License Agreement, PSF hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python alone or in any derivative version, provided, however, that PSF's License Agreement and PSF's notice of copyright, i.e., "Copyright (c) 2001, 2002, 2003, 2004, 2005, 2006 Python Software Foundation; All Rights Reserved" are retained in Python alone or in any derivative version prepared by Licensee.

3. In the event Licensee prepares a derivative work that is based on or incorporates Python or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python.

4. PSF is making Python available to Licensee on an "AS IS" basis. PSF MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, PSF MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

5. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

7. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between PSF and Licensee. This License Agreement does not grant permission to use PSF trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By copying, installing or otherwise using Python, Licensee agrees to be bound by the terms and conditions of this License Agreement.

BEOPEN.COM LICENSE AGREEMENT FOR PYTHON 2.0

BEOPEN PYTHON OPEN SOURCE LICENSE AGREEMENT VERSION 1

1. This LICENSE AGREEMENT is between BeOpen.com ("BeOpen"), having an office at 160 Saratoga Avenue, Santa Clara, CA 95051, and the Individual or Organization ("Licensee") accessing and otherwise using this software in source or binary form and its associated documentation ("the Software").

2. Subject to the terms and conditions of this BeOpen Python License Agreement, BeOpen hereby grants Licensee a non-exclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use the Software alone or in any derivative version, provided, however, that the BeOpen Python License is retained in the Software, alone or in any derivative version prepared by Licensee.

3. BeOpen is making the Software available to Licensee on an "AS IS" basis. BEOPEN MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, BEOPEN MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

4. BEOPEN SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF THE SOFTWARE FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF USING, MODIFYING OR DISTRIBUTING THE SOFTWARE, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

5. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

6. This License Agreement shall be governed by and interpreted in all respects by the law of the State of California, excluding conflict of law provisions. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between BeOpen and Licensee. This License Agreement does not grant permission to use BeOpen trademarks or trade names in a trademark sense to endorse or promote products or services of Licensee, or any third party. As an exception, the "BeOpen Python" logos available at <http://www.pythonlabs.com/logos.html> may be used according to the

permissions granted on that web page.

7. By copying, installing or otherwise using the software, Licensee agrees to be bound by the terms and conditions of this License Agreement.

CNRI LICENSE AGREEMENT FOR PYTHON 1.6.1

1. This LICENSE AGREEMENT is between the Corporation for National Research Initiatives, having an office at 1895 Preston White Drive, Reston, VA 20191 ("CNRI"), and the Individual or Organization ("Licensee") accessing and otherwise using Python 1.6.1 software in source or binary form and its associated documentation.

2. Subject to the terms and conditions of this License Agreement, CNRI hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python 1.6.1 alone or in any derivative version, provided, however, that CNRI's License Agreement and CNRI's notice of copyright, i.e., "Copyright (c) 1995-2001 Corporation for National Research Initiatives; All Rights Reserved" are retained in Python 1.6.1 alone or in any derivative version prepared by Licensee. Alternately, in lieu of CNRI's License Agreement, Licensee may substitute the following text (omitting the quotes): "Python 1.6.1 is made available subject to the terms and conditions in CNRI's License Agreement. This Agreement together with Python 1.6.1 may be located on the Internet using the following unique, persistent identifier (known as a handle): 1895.22/1013. This Agreement may also be obtained from a proxy server on the Internet using the following URL: <http://hdl.handle.net/1895.22/1013>".

3. In the event Licensee prepares a derivative work that is based on or incorporates Python 1.6.1 or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python 1.6.1.

4. CNRI is making Python 1.6.1 available to Licensee on an "AS IS" basis. CNRI MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, CNRI MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON 1.6.1 WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

5. CNRI SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON 1.6.1 FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON 1.6.1, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

7. This License Agreement shall be governed by the federal intellectual property law of the United States, including without

limitation the federal copyright law, and, to the extent such U.S. federal law does not apply, by the law of the Commonwealth of Virginia, excluding Virginia's conflict of law provisions. Notwithstanding the foregoing, with regard to derivative works based on Python 1.6.1 that incorporate non-separable material that was previously distributed under the GNU General Public License (GPL), the law of the Commonwealth of Virginia shall govern this License Agreement only as to issues arising under or with respect to Paragraphs 4, 5, and 7 of this License Agreement. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between CNRI and Licensee. This License Agreement does not grant permission to use CNRI trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By clicking on the "ACCEPT" button where indicated, or by copying, installing or otherwise using Python 1.6.1, Licensee agrees to be bound by the terms and conditions of this License Agreement.

ACCEPT

CWI LICENSE AGREEMENT FOR PYTHON 0.9.0 THROUGH 1.2

Copyright (c) 1991 - 1995, Stichting Mathematisch Centrum Amsterdam, The Netherlands. All rights reserved.

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Stichting Mathematisch Centrum or CWI not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

STICHTING MATHEMATISCH CENTRUM DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL STICHTING MATHEMATISCH CENTRUM BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Unicode, Inc. License Agreement for Data Files and Software
<<<<<<<<<xilinx-separator>>>>>>>>>

Unicode Terms of Use

For the general privacy policy governing access to this site, see the Unicode Privacy Policy (http://www.unicode.org/policies/privacy_policy.html). For trademark usage, see the Unicode Consortium Name and Trademark Usage Policy (http://www.unicode.org/policies/logo_policy.html).

Notice to End User: Terms of Use

Carefully read the following legal agreement ("Agreement"). Use or copying of the software and/or codes provided with this agreement (The "Software") constitutes your acceptance of these terms. If you have any questions about these terms of use, please contact the Unicode Consortium.

Unicode Copyright.

Copyright 1991-2017 Unicode, Inc. All rights reserved.

Certain documents and files on this website contain a legend indicating that "Modification is permitted." Any person is hereby authorized, without fee, to modify such documents and files to create derivative works conforming to the Unicode Standard, subject to Terms and Conditions herein.

Any person is hereby authorized, without fee, to view, use, reproduce, and distribute all documents and files solely for informational purposes and in the creation of products supporting the Unicode Standard, subject to the Terms and Conditions herein.

Further specifications of rights and restrictions pertaining to the use of the particular set of data files known as the "Unicode Character Database" can be found in the License.

Each version of the Unicode Standard has further specifications of rights and restrictions of use. For the book editions (Unicode 5.0 and earlier), these are found on the back of the title page. The online code charts carry specific restrictions. All other files, including online documentation of the core specification for Unicode 6.0 and later, are covered under these general Terms of Use.

No license is granted to "mirror" the Unicode website where a fee is charged for access to the "mirror" site.

Modification is not permitted with respect to this document. All copies of this document must be verbatim.

Restricted Rights Legend. Any technical data or software which is licensed to the United States of America, its agencies and/or instrumentalities under this Agreement is commercial technical data or commercial computer software developed exclusively at private expense as defined in FAR 2.101, or DFARS 252.227-7014 (June 1995), as applicable. For technical data, use, duplication, or disclosure by the Government is subject to restrictions as set forth in DFARS 202.227-7015 Technical Data, Commercial and Items (Nov 1995) and this Agreement. For Software, in accordance with FAR 12-212 or DFARS 227-7202, as applicable, use, duplication or disclosure by the Government is subject to the restrictions set forth in this Agreement.

Warranties and Disclaimers.

This publication and/or website may include technical or typographical errors or other inaccuracies. Changes are periodically added to the information herein; these changes will be incorporated in new editions of the publication and/or website. Unicode may make improvements and/or changes in the product(s) and/or program(s) described in this publication and/or website at any time.

If this file has been purchased on magnetic or optical media from Unicode, Inc. the sole and exclusive remedy for any claim will be exchange of the defective media within ninety (90) days of original purchase.

EXCEPT AS PROVIDED IN SECTION C.2, THIS PUBLICATION AND/OR SOFTWARE IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND EITHER EXPRESS, IMPLIED, OR STATUTORY, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT. UNICODE AND ITS LICENSORS ASSUME NO RESPONSIBILITY FOR ERRORS OR OMISSIONS IN THIS PUBLICATION AND/OR SOFTWARE OR OTHER DOCUMENTS WHICH ARE REFERENCED BY OR LINKED TO THIS PUBLICATION OR THE UNICODE WEBSITE.

Waiver of Damages. In no event shall Unicode or its licensors be liable for any special, incidental, indirect or consequential damages of any kind, or any damages whatsoever, whether or not Unicode was advised of the possibility of the damage, including, without limitation, those resulting from the following: loss of use, data or profits, in connection with the use, modification or distribution of this information or its derivatives.

Trademarks & Logos.

The Unicode Word Mark and the Unicode Logo are trademarks of Unicode, Inc. The Unicode Consortium and Unicode, Inc. are trade names of Unicode, Inc. Use of the information and materials found on this website indicates your acknowledgement of Unicode, Inc.'s exclusive worldwide rights in the Unicode Word Mark, the Unicode Logo, and the Unicode trade names.

The Unicode Consortium Name and Trademark Usage Policy (Trademark Policy) are incorporated herein by reference and you agree to abide by the provisions of the Trademark Policy, which may be changed from time to time in the sole discretion of Unicode, Inc.

All third party trademarks referenced herein are the property of their respective owners.

Miscellaneous.

Jurisdiction and Venue. This server is operated from a location in the State of California, United States of America. Unicode makes no representation that the materials are appropriate for use in other locations. If you access this server from other locations, you are responsible for compliance with local laws. This Agreement, all use of this site and any claims and damages resulting from use of this site are governed solely by the laws of the State of California without regard to any principles which would apply the laws of a different jurisdiction. The user agrees that any disputes regarding this site shall be resolved solely in the courts located in Santa Clara

County, California. The user agrees said courts have personal jurisdiction and agree to waive any right to transfer the dispute to any other forum.

Modification by Unicode Unicode shall have the right to modify this Agreement at any time by posting it to this site. The user may not assign any part of this Agreement without Unicode's prior written consent.

Taxes. The user agrees to pay any taxes arising from access to this website or use of the information herein, except for those based on Unicode's net income.

Severability. If any provision of this Agreement is declared invalid or unenforceable, the remaining provisions of this Agreement shall remain in effect.

Entire Agreement. This Agreement constitutes the entire agreement between the parties.

EXHIBIT 1

UNICODE, INC. LICENSE AGREEMENT - DATA FILES AND SOFTWARE

Unicode Data Files include all data files under the directories

<http://www.unicode.org/Public/>, <http://www.unicode.org/reports/>,
<http://www.unicode.org/cldr/data/>, <http://source.icu-project.org/repos/icu/>, and
<http://www.unicode.org/utility/trac/browser/>.

Unicode Data Files do not include PDF online code charts under the directory <http://www.unicode.org/Public/>.

Software includes any source code published in the Unicode Standard or under the directories

<http://www.unicode.org/Public/>, <http://www.unicode.org/reports/>,
<http://www.unicode.org/cldr/data/>, <http://source.icu-project.org/repos/icu/>, and
<http://www.unicode.org/utility/trac/browser/>.

NOTICE TO USER: Carefully read the following legal agreement.

BY DOWNLOADING, INSTALLING, COPYING OR OTHERWISE USING UNICODE INC.'S DATA FILES ("DATA FILES"), AND/OR SOFTWARE ("SOFTWARE"), YOU UNEQUIVOCALLY ACCEPT, AND AGREE TO BE BOUND BY, ALL OF THE TERMS AND CONDITIONS OF THIS AGREEMENT. IF YOU DO NOT AGREE, DO NOT DOWNLOAD, INSTALL, COPY, DISTRIBUTE OR USE THE DATA FILES OR SOFTWARE.

COPYRIGHT AND PERMISSION NOTICE

Copyright 1991-2017 Unicode, Inc. All rights reserved.

Distributed under the Terms of Use in <http://www.unicode.org/copyright.html>.

Permission is hereby granted, free of charge, to any person obtaining a copy of the Unicode data files and any associated documentation (the "Data Files") or Unicode software and any associated documentation (the "Software") to deal in the Data Files or Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Data Files or Software, and to permit persons to whom the Data Files or Software are furnished to do so, provided that either (a) this copyright and permission notice appear with all copies of the Data Files or Software, or (b) this copyright and permission notice appear in associated Documentation.

THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS

NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE DATA FILES OR SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in these Data Files or Software without prior written authorization of the copyright holder.

Part Five: Additional Acknowledgements.

Alloy Look&Feel

```
<<<<<<<xilinx-separator>>>>>>>>
```

The Alloy Look&Feel software and related documentation is copyright (c) INCORS GmbH.

JRE

```
<<<<<<<xilinx-separator>>>>>>>>
```

This product includes code licensed from RSA Security, Inc.

Some portions licensed from IBM are available at <http://oss.software.ibm.com/icu4j/>.

Group JPEG

```
<<<<<<<xilinx-separator>>>>>>>>
```

This software is based in part on the work of the Independent JPEG Group.

WindU

<<<<<<<xilinx-separator>>>>>>>

Portions Copyright (c) 1995 Bristol Technology Inc. All Rights Reserved.

Portions Copyright (c) 1995 Microsoft Corporation. All Rights Reserved.

2025.10.24