



OPEN SOURCE SOFTWARE NOTICE

Please note we provide an open source software notice along with this product and/or this product firmware (in the following just "this product"). The open source software licenses are granted by the respective right holders. And the open source licenses prevail all other license information with regard to the respective open source software contained in the product, including but not limited to End User Software Licensing Agreement. This notice is provided on behalf of Huawei Technologies Co. Ltd. and any of its local subsidiaries which may have provided this product to you in your local country.

Warranty Disclaimer

THE OPEN SOURCE SOFTWARE IN THIS PRODUCT 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 APPLICABLE LICENSES FOR MORE DETAILS.

Copyright Notice and License Texts

Software: 7 Zip - LZMA SDK 23.01

Copyright notice:

Copyright (c) 1999-2023 Igor Pavlov

Copyright @ Igor Pavlov 1999-2004

License: 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.



Software: bounds_checking_function v1.1.11

Copyright notice:

Copyright (c) 2014-2021 Huawei Technologies Co., Ltd.

License: Mulan Permissive Software License Version 2

木兰宽松许可证，第 2 版

木兰宽松许可证，第 2 版

2020 年 1 月 <http://license.coscl.org.cn/MulanPSL2>

您对“软件”的复制、使用、修改及分发受木兰宽松许可证，第 2 版（“本许可证”）的如下条款的约束：

0. 定义

“软件”是指由“贡献”构成的许可在“本许可证”下的程序和相关文档的集合。

“贡献”是指由任一“贡献者”许可在“本许可证”下的受版权法保护的作品。

“贡献者”是指将受版权法保护的作品许可在“本许可证”下的自然人或“法人实体”。

“法人实体”是指提交贡献的机构及其“关联实体”。

“关联实体”是指，对“本许可证”下的行为而言，控制、受控制或与其共同受控制的机构，此处的控制是指有受控方或共同受控方至少 50%直接或间接的投票权、资金或其他有价证券。

1. 授予版权许可

每个“贡献者”根据“本许可证”授予您永久性的、全球性的、免费的、非独占的、不可撤销的版权许可，您可以复制、使用、修改、分发其“贡献”，不论修改与否。

2. 授予专利许可

每个“贡献者”根据“本许可证”授予您永久性的、全球性的、免费的、非独占的、不可撤销的（根据本条规定撤除除外）专利许可，供您制造、委托制造、使用、许诺销售、销售、进口其“贡献”或以其他方式转移其“贡献”。前述专利许可仅限于“贡献者”现在或将来拥有或控制的其“贡献”本身或其“贡献”与许可“贡献”时的“软件”结合而将必然会侵犯的专利权利要求，不包括对“贡献”的修改或包含“贡献”的其他结合。如果您或您的“关联实体”直接或间接地，就“软件”或其中的“贡献”对任何人发起专利侵权诉讼（包括反诉或交叉诉讼）或其他专利维权行动，指控其侵犯专利权，则“本许可证”授予您对“软件”的专利许可自您提起诉讼或发起维权行动之日终止。

3. 无商标许可

“本许可证”不提供对“贡献者”的商品名称、商标、服务标志或产品名称的商标许可，但您为满足第 4 条规定的声明义务而必须使用除外。

4. 分发限制

您可以在任何媒介中将“软件”以源程序形式或可执行形式重新分发，不论修改与否，但您必须向接收者提供“本许可证”的副本，并保留“软件”中的版权、商标、专利及免责声明。

5. 免责声明与责任限制

“软件”及其中的“贡献”在提供时不带任何明示或默示的担保。在任何情况下，“贡献者”或版权所有者不对任何人因使用“软件”或其中的“贡献”而引发的任何直接或间接损失承担责任，不论因何种原因导致或者基于何种法律理论，即使其曾被建议有此种损失的可能性。



6. 语言

“本许可证”以中英文双语表述，中英文版本具有同等法律效力。如果中英文版本存在任何冲突不一致，以中文版为准。

条款结束

如何将木兰宽松许可证，第 2 版，应用到您的软件

如果您希望将木兰宽松许可证，第 2 版，应用到您的新软件，为了方便接收者查阅，建议您完成如下三步：

- 1, 请您补充如下声明中的空白，包括软件名、软件的首次发表年份以及您作为版权人的名字；
- 2, 请您在软件包的一级目录下创建以“LICENSE”为名的文件，将整个许可证文本放入该文件中；
- 3, 请将如下声明文本放入每个源文件的头部注释中。

Copyright (c) [Year] [name of copyright holder]

[Software Name] is licensed under Mulan PSL v2.

You can use this software according to the terms and conditions of the Mulan PSL v2.

You may obtain a copy of Mulan PSL v2 at:

<http://license.coscl.org.cn/MulanPSL2>

THIS SOFTWARE IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO NON-INFRINGEMENT, MERCHANTABILITY OR FIT FOR A PARTICULAR PURPOSE.

See the Mulan PSL v2 for more details.

Mulan Permissive Software License, Version 2

Mulan Permissive Software License, Version 2 (Mulan PSL v2)

January 2020 <http://license.coscl.org.cn/MulanPSL2>

Your reproduction, use, modification and distribution of the Software shall be subject to Mulan PSL v2 (this License) with the following terms and conditions:

0. Definition

Software means the program and related documents which are licensed under this License and comprise all Contribution(s).

Contribution means the copyrightable work licensed by a particular Contributor under this License.

Contributor means the Individual or Legal Entity who licenses its copyrightable work under this License.

Legal Entity means the entity making a Contribution and all its Affiliates.

Affiliates means entities that control, are controlled by, or are under common control with the acting entity under this License, ‘control’ means direct or indirect ownership of at least fifty percent (50%) of the voting power, capital or other securities of controlled or commonly controlled entity.

1. Grant of Copyright License

Subject to the terms and conditions of this License, each Contributor hereby grants to you a perpetual, worldwide, royalty-free, non-exclusive, irrevocable copyright license to reproduce, use, modify, or distribute its Contribution, with modification or not.

2. Grant of Patent License

Subject to the terms and conditions of this License, each Contributor hereby grants to you a perpetual, worldwide, royalty-free, non-exclusive, irrevocable (except for revocation under this Section) patent license to make, have made, use, offer for sale, sell, import or otherwise transfer its Contribution, where such patent license is only limited to the patent claims owned or controlled by such Contributor now or in future which will be necessarily infringed by its Contribution alone, or by combination of the Contribution with the



Software to which the Contribution was contributed. The patent license shall not apply to any modification of the Contribution, and any other combination which includes the Contribution. If you or your Affiliates directly or indirectly institute patent litigation (including a cross claim or counterclaim in a litigation) or other patent enforcement activities against any individual or entity by alleging that the Software or any Contribution in it infringes patents, then any patent license granted to you under this License for the Software shall terminate as of the date such litigation or activity is filed or taken.

3. No Trademark License

No trademark license is granted to use the trade names, trademarks, service marks, or product names of Contributor, except as required to fulfill notice requirements in section 4.

4. Distribution Restriction

You may distribute the Software in any medium with or without modification, whether in source or executable forms, provided that you provide recipients with a copy of this License and retain copyright, patent, trademark and disclaimer statements in the Software.

5. Disclaimer of Warranty and Limitation of Liability

THE SOFTWARE AND CONTRIBUTION IN IT ARE PROVIDED WITHOUT WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED. IN NO EVENT SHALL ANY CONTRIBUTOR OR COPYRIGHT HOLDER BE LIABLE TO YOU FOR ANY DAMAGES, INCLUDING, BUT NOT LIMITED TO ANY DIRECT, OR INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING FROM YOUR USE OR INABILITY TO USE THE SOFTWARE OR THE CONTRIBUTION IN IT, NO MATTER HOW IT'S CAUSED OR BASED ON WHICH LEGAL THEORY, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

6. Language

THIS LICENSE IS WRITTEN IN BOTH CHINESE AND ENGLISH, AND THE CHINESE VERSION AND ENGLISH VERSION SHALL HAVE THE SAME LEGAL EFFECT. IN THE CASE OF DIVERGENCE BETWEEN THE CHINESE AND ENGLISH VERSIONS, THE CHINESE VERSION SHALL PREVAIL.

END OF THE TERMS AND CONDITIONS

How to Apply the Mulan Permissive Software License, Version 2 (Mulan PSL v2) to Your Software

To apply the Mulan PSL v2 to your work, for easy identification by recipients, you are suggested to complete following three steps:

Fill in the blanks in following statement, including insert your software name, the year of the first publication of your software, and your name identified as the copyright owner;

Create a file named "LICENSE" which contains the whole context of this License in the first directory of your software package;

Attach the statement to the appropriate annotated syntax at the beginning of each source file.

Copyright (c) [Year] [name of copyright holder]

[Software Name] is licensed under Mulan PSL v2.

You can use this software according to the terms and conditions of the Mulan PSL v2.

You may obtain a copy of Mulan PSL v2 at:

<http://license.coscl.org.cn/MulanPSL2>

THIS SOFTWARE IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO NON-INFRINGEMENT, MERCHANTABILITY OR FIT FOR A PARTICULAR PURPOSE.

See the Mulan PSL v2 for more details.



Software: littlefs v2.8.0

Copyright notice:

Copyright (c) 2017, Arm Limited.
Copyright (c) 2019, Arm Limited.
Copyright (c) 2020, Arm Limited.
Copyright (c) 2022, The littlefs authors.

License: BSD 3-Clause License

Copyright (c) <YEAR>, <OWNER>

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.

Software: mbed TLS v3.6.5

Copyright notice:

Copyright (c) 1989, 1991 Free Software Foundation, Inc.
Copyright (c) INRIA and Microsoft Corporation. All rights reserved
Copyright 2016-2018 INRIA and Microsoft Corporation



Copyright The Mbed TLS Contributors
Copyright (c) 2004, 2006 The Linux Foundation
Copyright (c) 2006-2023, ARM Limited, All Rights Reserved
Copyright (c) 2018-2023, Arm Limited. All rights reserved

License: Apache License V2.0

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:

You must give any other recipients of the Work or Derivative Works a copy of this License; and

You must cause any modified files to carry prominent notices stating that You changed the files; and

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

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

Software: MindSpore 2.1.0

Copyright notice:

Copyright (C) 2013 Kenneth L. Ho

Copyright (c) 1997-2002 by Secret Labs AB

Copyright 1995-2017 Jean-loup Gailly and Mark Adler

Copyright 1995-2017 Mark Adler

Copyright 1995-2017 Mark Adler

Copyright 1998-2004 Gilles Vollant - <http://www.winimage.com/zLibDll>

Copyright 2019-2021 Huawei Technologies Co., Ltd

Copyright (C) 1991-2017 Thomas G. Lane, Guido Vollbeding

Copyright (C) 1991-2020 The libjpeg-turbo Project and many others

Copyright (C) 1999-2006 MIYASAKA Masaru

Copyright (C) 2009, 2012 Pierre Ossman for Cendio AB



Copyright (C) 2009-2011 Nokia Corporation and/or its subsidiary(-ies)
Copyright (C) 2009-2020 D. R. Commander
Copyright (C) 2011-2016 Sjarhei Siamashka
Copyright (C) 2013-2014 Linaro Limited
Copyright (C) 2013-2014 MIPS Technologies, Inc.
Copyright (C) 2015 Intel Corporation
Copyright (C) 2015, 2020 Google, Inc.
Copyright (C) 2015-2016, 2018 Matthieu Darbois
Copyright (C) 2019 Arm Limited
Copyright (c) 1995-1996 Guy Eric Schalnat, Group 42, Inc.
Copyright (c) 1996-1997 Andreas Dilger" PNGSTRINGNEWLINE
Copyright (c) 1998-2002,2004,2006-2018 Glenn Randers-Pehrson
Copyright (c) 1999-2000 Image Power, Inc. and the University of
Copyright (c) 2000-2003 The Regents of the University of California.
Copyright (c) 2001-2006 Michael David Adams.
Copyright (c) 2018-2019 Cosmin Truta" PNGSTRINGNEWLINE
Copyright 1995-1996 by Virginia Polytechnic Institute & State
Copyright International Color Consortium, 2009 gzappend 1.2 (11 Oct 2012)
Copyright (C) 2003, 2012 Mark Adler
Copyright (C) 2018, Intel Corporation, all
Copyright (c) 2011 Stefan Krahl.
Copyright (c) 2011-2020 Stefan Krahl.
Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler
Copyright (C) 2001 by Argonne National Laboratory.
Copyright (C) 2003 by Argonne National Laboratory.
Copyright (C) 2004 by Argonne National Laboratory.
Copyright (C) 2006 by Jay Stavinzky.
Copyright (C) 2007 by Argonne National Laboratory.
Copyright (C) 2008 by Argonne National Laboratory.
Copyright (C) 2009 UChicago/Argonne LLC
(C) 2011 by Argonne National Laboratory.
(C) 2012 by Argonne National Laboratory.
(C) 2013 UChicago/Argonne LLC
(C) Copyright Christopher Diggins 2005-2011
(C) Copyright John Maddock 2006.
(C) Copyright Kevlin Henney 2001
(C) Copyright Pablo Aguilar 2005
(C)Copyright IBM Corp. 2007, 2008
(c) 2000 Peter Bosch. All Rights Reserved.
(c) 2002 Gregory P. Ward. All Rights Reserved.
(c) 2002 Python Software Foundation. All Rights Reserved.
(c) 2005 Ian Bicking and contributors; written for Paste (<http://pythonpaste.org>)



(c) 2008-2013 Nathan Hjelm <hjelm@cs.unm.edu>
(c) 2012 Weta Digital Ltd
(c) 2013-2017 Christian Heimes <christian@python.org>
(c) Copyright 2000 Guido van Rossum.
(c) Copyright 2005, Marc-Andre Lemburg (mal@lemburg.com).
(c) Copyright CNRI, All Rights Reserved. NO WARRANTY.
(c) Copyright Guido van Rossum, 2000.
(c) Copyright Marc-Andre Lemburg, 2005.
(c) Craig Reese, Joe Campbell and Jeff Poskanzer 1989
Copyright 2007 Python Software Foundation.
Copyright (C) 1994-1996, Thomas G. Lane.
Copyright (C) 2009, 2011, 2014-2015, 2020, D. R. Commander.
Copyright (C) 2010, 2015-2018, 2020, D. R. Commander.
Copyright (C) 2011, 2015, 2020, D. R. Commander.
Copyright (C) 2014-2015, 2018, 2020, D. R. Commander.
Copyright (C) 2015-2017, 2020, D. R. Commander.
Copyright (C) 2020, D. R. Commander.
Copyright (c) 2011-2019, NVIDIA CORPORATION.
Copyright (c) 2017 - 2023 NVIDIA CORPORATION & AFFILIATES.
Copyright (c) 2019-2021, NVIDIA CORPORATION.
Copyright (c) 2020-2022, NVIDIA CORPORATION.
Copyright (c) 2021, NAVER Corp. Authored by CLOVA.
Copyright (c) 2021, NVIDIA CORPORATION.
Copyright (c) 2021-2022, NVIDIA CORPORATION.
Copyright (c) 2023 - 2022 NVIDIA CORPORATION & AFFILIATES.
Copyright (c) 2023 - 2023 NVIDIA CORPORATION & AFFILIATES.
Copyright (c) 2023, NVIDIA CORPORATION.
Copyright 1995-2023 The OpenSSL Project Authors. All Rights Reserved.
Copyright 2020 Huawei Technologies Co., Ltd
Copyright 2021 Huawei Technologies Co., Ltd
Copyright (c) 2019-2022, NVIDIA CORPORATION.
Copyright 1999-2023 The OpenSSL Project Authors. All Rights Reserved.
Copyright (c) 2017 - 2023 NVIDIA CORPORATION & AFFILIATES.
Copyright (C) 2009, 2011, 2014-2015, D. R. Commander.
Copyright (C) 2010, 2015-2018, D. R. Commander.
Copyright (C) 2011, 2015, D. R. Commander.
Copyright (C) 2014-2015, 2018, D. R. Commander.
Copyright (C) 2015-2017, D. R. Commander.
Copyright 1995-2018 The OpenSSL Project Authors. All Rights Reserved.
Copyright 1995-2019 The OpenSSL Project Authors. All Rights Reserved.
Copyright 1999-2021 The OpenSSL Project Authors. All Rights Reserved.
copyright end range year is now 2013



Copyright (C) 2002-2004 Dmitriy Anisimkov
Copyright (C) 2002-2003 Dmitriy Anisimkov
Copyright (C) 2002-2004 Dmitriy Anisimkov
Copyright (c) IBM Corporation, 1981, 2008.
Copyright (c) IBM Corporation, 2000, 2008.
Copyright (c) IBM Corporation, 2001, 2008.
Copyright (c) IBM Corporation, 2003, 2008.
Copyright (c) IBM Corporation, 2004, 2008.
Copyright (c) IBM Corporation, 2005, 2008.
Copyright (c) IBM Corporation, 2005, 2009.
Copyright (C) 2005-2010, Gregory P. Smith (greg@krypto.org)
Copyright (C) 2004-2009 by Daniel Stenberg
Copyright (C) 2004-2010 by Daniel Stenberg
Copyright (C) 2008-2010 by Daniel Stenberg
Copyright (C) 2013 by Daniel Stenberg
Copyright (C) 2016 by Daniel Stenberg
Copyright (C) 2017 by John Sember
Copyright 1998 by Daniel Stenberg
Copyright 1998 by the Massachusetts Institute of Technology.
Copyright 1998, 2000 by the Massachusetts Institute of Technology.
Copyright 2000 by the Massachusetts Institute of Technology.
Copyright 2004 by Daniel Stenberg
Copyright 2005 by Dominick Meglio.
Copyright 2010 by Ben Greear <greearb@candelatech.com>
Copyright (c) 2004, Outercurve Foundation.
Copyright (C) 2003 Chris Anderson <christop@charm.net>
Copyright (C) 1995-1996 Jean-loup Gailly, Brian Raiter and Gilles Vollant.
Copyright (C) 1995-2010 Jean-loup Gailly, Brian Raiter and Gilles Vollant.
Copyright (c) 2008-2016 Stefan KraH.
Copyright (c) 2008-2020 Stefan KraH.
Copyright (C) 1998 Brian Raiter <breadbox@muppetlabs.com>
Copyright 2015, Google Inc.</Copyright>
Copyright (c) 2004, 2005 by Mark Adler
Last modified 11 December 2005
(c) 2001-2019 Python Software Foundation.
(c) 2001-2016 Python Software Foundation.
(c) 2001-2019 Python Software Foundation.
(c) 2001-2020 Python Software Foundation.
(c) 2001-2021 Python Software Foundation.
(c) 2001-2016 Python Software Foundation.
(c) 2001-2020 Python Software Foundation.
Copyright International Color Consortium, 2009
Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.



copyright (c) 2009-2014 The University of Tennessee and The University of Tennessee Research Foundation.

copyright (c) 2012-2014 Bordeaux INP, CNRS (LaBRI UMR 5800), Inria, Univ. Bordeaux.

copyright (c) 2012-2014 Inria.

copyright (c) 2012-2016 Inria.

Copyright 2020 Huawei Technologies Co., Ltd @rem @rem Licensed under the Apache License, Version 2.0 (the "License")

Copyright 2021 Huawei Technologies Co., Ltd @rem @rem Licensed under the Apache License, Version 2.0 (the "License")

(c) 2002 Free Software Foundation, Inc.

Copyright 2002 Christopher Clark

copyright 2003 kevincazabon@hotmail.com kevin@cazabon.com

Copyright 1984, 1987 Adobe Systems, Inc.

Copyright (c) 1987 Adobe Systems, Inc., Portions Copyright 1988 Digital Equipment Corp.

COPYRIGHT (C) 2017 Institute of Electronics and Computer Science (EDI), Latvia.

COPYRIGHT 2019 Huawei Technologies Co., Ltd.All Rights Reserved.

Copyright 2019-2022 Huawei Technologies Co., Ltd

Copyright 2019-2023 Huawei Technologies Co., Ltd

Copyright 2022 Huawei Technologies Co., Ltd

Copyright 2016, NVIDIA CORPORATION.

Copyright (C) 2020-2021. Huawei Technologies Co., Ltd.

Copyright (C) Pauli Virtanen, 2010.

Copyright (C) Tyler Reddy, 2016

Copyright (C) Tyler Reddy, Richard Gowers, and Max Linked, 2016

Copyright (C) Tyler Reddy, Ross Hemsley, Edd Edmondson, Nikolai Nowaczyk, Joe Pitt-Francis, 2015.

Copyright (C) 1978-1999 Ken Turkowski. <turk@computer.org>

Copyright (C) 1986 Gary S. Brown. You may use this program, or code or tables extracted from it, as desired without restriction.

Copyright (C) 1988 by Jef Poskanzer.

Copyright (C) 1989 by Jef Poskanzer.

Copyright (C) 1989, 1991 Free Software Foundation, Inc.

Copyright (C) 1990, 1995 Frank D. Cringle.

Copyright (C) 1991 and later: Unicode, Inc. and others.

Copyright (C) 1991, 1999 Free Software Foundation, Inc.

Copyright (C) 1991-1994, Thomas G. Lane.

Copyright (C) 1991-1995, Thomas G. Lane.

Copyright (C) 1991-1996, Thomas G. Lane.

Copyright (C) 1991-1997, Thomas G. Lane.

Copyright (C) 1991-1998, Thomas G. Lane.

Copyright (C) 1991-2, RSA Data Security, Inc. Created 1991. All

Copyright (C) 1991-2012, Thomas G. Lane, Guido Vollbeding.

Copyright (C) 1991-2020, Thomas G. Lane, Guido Vollbeding.



Copyright (C) 1992-1996, 1998-2012 Free Software Foundation, Inc.
Copyright (C) 1992-1996, Thomas G. Lane.
Copyright (C) 1992-1997, Thomas G. Lane.
Copyright (C) 1993 by Sun Microsystems, Inc.
Copyright (C) 1994 Steen Lumholt.
Copyright (C) 1994 X Consortium
Copyright (C) 1994-1996, 1999-2002, 2004-2011 Free Software Foundation, Inc.
Copyright (C) 1994-1996, Thomas G. Lane.
Copyright (C) 1994-1997, Thomas G. Lane.
Copyright (C) 1994-1998, Thomas G. Lane.
Copyright (C) 1994-2018 Free Software Foundation, Inc.
Copyright (C) 1995, 1996, 1997, 1998, and 1999 WIDE Project.
Copyright (C) 1995, 1996, 1997, and 1998 WIDE Project.
Copyright (C) 1995-1997, Thomas G. Lane.
Copyright (C) 1995-1998 Eric Young (eay@cryptsoft.com)
Copyright (C) 1995-1998 Jean-loup Gailly.
Copyright (C) 1995-1998, Thomas G. Lane.
Copyright (C) 1995-2003 Jean-loup Gailly and Mark Adler.
Copyright (C) 1995-2003 Jean-loup Gailly.
Copyright (C) 1995-2003 by Jean-loup Gailly.
Copyright (C) 1995-2010, Thomas G. Lane, Guido Vollbeding.
Copyright (C) 1995-2011 Jean-loup Gailly and Mark Adler
Copyright (C) 1995-2012 Jean-loup Gailly and Mark Adler.
Copyright (C) 1995-2014, International Business Machines
Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler
Copyright (C) 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008 Free Software Foundation, Inc.
Copyright (C) 1996, 1997, 1998, 1999, 2000, 2001, 2003, 2004, 2005, 2006, 2007 2008 Free Software Foundation, Inc.
Copyright (C) 1996, 1997, 1998, 1999, 2000, 2001, 2003, 2004, 2005, 2006, 2007, 2008 Free Software Foundation, Inc.
Copyright (C) 1996-2001, 2003-2015 Free Software Foundation, Inc.
Copyright (C) 1996-2006, International Business Machines Corporation and
Copyright (C) 1996-2008, International Business Machines Corporation
Copyright (C) 1996-2009, International Business Machines Corporation and
Copyright (C) 1996-2012, International Business Machines
Copyright (C) 1996-2012, International Business Machines Corporation
Copyright (C) 1996-2012, International Business Machines Corporation and
Copyright (C) 1996-2013, International Business Machines
Copyright (C) 1996-2013, International Business Machines Corporation
Copyright (C) 1996-2014 Free Software Foundation, Inc.
Copyright (C) 1996-2014, International Business Machines



Copyright (C) 1996-2014, International Business Machines Corporation and
Copyright (C) 1996-2014, International Business Machines Corporation and others.
Copyright (C) 1996-2015, International Business Machines
Copyright (C) 1996-2015, International Business Machines Corporation and
Copyright (C) 1996-2015, International Business Machines Corporation and others.
Copyright (C) 1996-2016, International Business Machines
Copyright (C) 1996-2016, International Business Machines Corporation and
Copyright (C) 1996-2018 Free Software Foundation, Inc.
Copyright (C) 1996-2020 Free Software Foundation, Inc.
Copyright (C) 1997 - 2002, Makoto Matsumoto and Takuji Nishimura,
Copyright (C) 1997 University of Chicago
Copyright (C) 1997 University of Chicago.
Copyright (C) 1997, 2002, 2003, 2007, 2008 Martin von Loewis
Copyright (C) 19972004, Makoto Matsumoto, Takuji Nishimura, and Eric Landry;
Copyright (C) 1997-1998 Dolphin Interconnect Solutions Inc.
Copyright (C) 1997-1998, Thomas G. Lane, Todd Newman.
Copyright (C) 1997-2000, International Business Machines
Copyright (C) 1997-2001 Andrew Lumsdaine <lums@osl.iu.edu> Lie-Quan Lee <llee@osl.iu.edu>
Copyright (C) 1997-2001 University of Chicago.
Copyright (C) 1997-2005, International Business Machines
Copyright (C) 1997-2005, International Business Machines Corporation and others. All Rights Reserved.
Copyright (C) 1997-2006, International Business Machines
Copyright (C) 1997-2009,2014 International Business Machines
Copyright (C) 1997-2010, International Business Machines
Copyright (C) 1997-2010, International Business Machines Corporation and
Copyright (C) 1997-2011, International Business Machines
Copyright (C) 1997-2011, International Business Machines Corporation and others.
Copyright (C) 1997-2011, Thomas G. Lane, Guido Vollbeding.
Copyright (C) 1997-2011,2014-2015 International Business Machines
Copyright (C) 1997-2012, International Business Machines
Copyright (C) 1997-2012, International Business Machines Corporation and
Copyright (C) 1997-2013, International Business Machines
Copyright (C) 1997-2013, International Business Machines Corporation and
Copyright (C) 1997-2013, International Business Machines Corporation and others.
Copyright (C) 1997-2014, International Business Machines
Copyright (C) 1997-2015, International Business Machines
Copyright (C) 1997-2015, International Business Machines Corporation
Copyright (C) 1997-2015, International Business Machines Corporation and
Copyright (C) 1997-2015, International Business Machines Corporation and others.
Copyright (C) 1997-2016 International Business Machines
Copyright (C) 1997-2016, International Business Machines
Copyright (C) 1997-2016, International Business Machines Corporation and



Copyright (C) 1997-2016, International Business Machines Corporation and others.
Copyright (C) 1997-2018 Free Software Foundation, Inc.
Copyright (C) 1998 - 2010 Gilles Vollant, Even Rouault, Mathias Svensson
Copyright (C) 1998 - 2012, Daniel Stenberg, <daniel@haxx.se>, et al.
Copyright (C) 1998 Yossi Rubner Computer Science Department, Stanford University E-Mail: rubner@cs.stanford.edu URL: <http://vision.stanford.edu/rubner>
Copyright (C) 1998 by Andreas R. Kleinert
Copyright (C) 1998 by Bob Dellaca.
Copyright (C) 1998 by Jacques Nomssi Nzali.
Copyright (C) 1998, 2007 Brian Raiter <breadbox@muppetlabs.com>
Copyright (C) 1998,1999,2000 by Jacques Nomssi Nzali.
Copyright (C) 1998-2000, International Business Machines
© 2017 Unicode®, Inc.
Copyright (C) 1998-2001, International Business Machines Corporation
Copyright (C) 1998-2001, International Business Machines Corporation and
Copyright (C) 1998-2002, International Business Machines
Copyright (C) 1998-2003, 2006, International Business Machines Corporation
Copyright (C) 1998-2003, International Business Machines Corporation and
Copyright (C) 1998-2004, International Business Machines
Copyright (C) 1998-2004, International Business Machines Corporation
Copyright (C) 1998-2005 Gilles Vollant
Copyright (C) 1998-2005, International Business Machines
Copyright (C) 1998-2005, International Business Machines Corporation and
Copyright (C) 1998-2006, International Business Machines
Copyright (C) 1998-2006, International Business Machines Corporation and
Copyright (C) 1998-2008, International Business Machines
Copyright (C) 1998-2010 Gilles Vollant (minizip) (<http://www.winimage.com/zLibDll/minizip.html>)
Copyright (C) 1998-2010, International Business Machines
Copyright (C) 1998-2011, International Business Machines
Copyright (C) 1998-2012, International Business Machines
Copyright (C) 1998-2012, International Business Machines Corporation
Copyright (C) 1998-2012, International Business Machines Corporation and
Copyright (C) 1998-2013, International Business Machines
Copyright (C) 1998-2014, International Business Machines
Copyright (C) 1998-2014, International Business Machines Corporation
Copyright (C) 1998-2015, International Business Machines
Copyright (C) 1998-2016, International Business Machines
Copyright (C) 1998-2016, International Business Machines Corporation
Copyright (C) 1999 by Etnus, Inc.
Copyright (C) 1999-2001 Gregory P. Ward.
Copyright (C) 1999-2001, International Business Machines
Copyright (C) 1999-2003, International Business Machines



Copyright (C) 1999-2004, International Business Machines
Copyright (C) 1999-2005, International Business Machines
Copyright (C) 1999-2006, International Business Machines
Copyright (C) 1999-2006, MIYASAKA Masaru.
Copyright (C) 1999-2006,2013 IBM Corp.
Copyright (C) 1999-2007, International Business Machines
Copyright (C) 1999-2007, International Business Machines Corporation
Copyright (C) 1999-2008, International Business Machines
Copyright (C) 1999-2009, International Business Machines
Copyright (C) 1999-2010, International Business Machines
Copyright (C) 1999-2010, International Business Machines Corporation and others.
Copyright (C) 1999-2011, International Business Machines
Copyright (C) 1999-2011, International Business Machines Corporation
Copyright (C) 1999-2012, International Business Machines
Copyright (C) 1999-2012, International Business Machines Corporation and
Copyright (C) 1999-2013, International Business Machines
Copyright (C) 1999-2013, International Business Machines Corporation and
Copyright (C) 1999-2014 International Business Machines
Copyright (C) 1999-2014 International Business Machines Corporation
Copyright (C) 1999-2014, International Business Machines
Copyright (C) 1999-2015 International Business Machines
Copyright (C) 1999-2015, International Business Machines
Copyright (C) 1999-2015, International Business Machines Corporation and
Copyright (C) 1999-2016 International Business Machines
Copyright (C) 1999-2016 International Business Machines Corporation
Copyright (C) 1999-2016 International Business Machines Corporation and
Copyright (C) 1999-2016, International Business Machines
Copyright (C) 1999-2016, International Business Machines Corporation
Copyright (C) 1999-2016, International Business Machines Corporation and
Copyright (C) 1999-2018 Free Software Foundation, Inc.
Copyright (C) 2000 Bastian Kleineidam
Copyright (C) 2000 Luke Kenneth Casson Leighton <lkcl@samba.org>
Copyright (C) 2000, Intel Corporation, all
Copyright (C) 2000, International Business Machines
Copyright (C) 2000-2003, International Business Machines
Copyright (C) 2000-2004 by Etnus, LLC
Copyright (C) 2000-2004 by Etnus, LLC.
Copyright (C) 2000-2004, International Business Machines
Copyright (C) 2000-2004, International Business Machines Corporation
Copyright (C) 2000-2006, International Business Machines
Copyright (C) 2000-2007, International Business Machines
Copyright (C) 2000-2008, 2017, Intel Corporation, all



Copyright (C) 2000-2008, 2018, Intel Corporation, all
Copyright (C) 2000-2008, Intel Corporation, all
Copyright (C) 2000-2008, International Business Machines
Copyright (C) 2000-2009, International Business Machines
Copyright (C) 2000-2010, International Business Machines
Copyright (C) 2000-2011, International Business Machines
Copyright (C) 2000-2012, International Business Machines
Copyright (C) 2000-2013, International Business Machines
Copyright (C) 2000-2014, International Business Machines
Copyright (C) 2000-2015, Intel Corporation, all
Copyright (C) 2000-2015, International Business Machines
Copyright (C) 2000-2016, Intel Corporation, all
Copyright (C) 2000-2016, International Business Machines
Copyright (C) 2000-2018, Intel Corporation, all
Copyright (C) 2000-2020 Intel Corporation, all
Copyright (C) 2000-2020, Intel Corporation, all
Copyright (C) 2001 - 2005, International Business Machines
Copyright (C) 2001 Fabrice Bellard
Copyright (C) 2001 Farooq Mela.
Copyright (C) 2001 I'O, All Rights Reserved.
Copyright (C) 2001 Intel Corporation
Copyright (C) 2001 Python Software Foundation Barry Warsaw <barry@python.org>, 2000.
Copyright (C) 2001 University of Chicago.
Copyright (C) 2001 earthian@tama.or.jp, All Rights Reserved.
Copyright (C) 2001, International Business Machines
Copyright (C) 2001,2002 Python Software Foundation csv package unit tests
Copyright (C) 2001-2003, International Business Machines
Copyright (C) 2001-2003, International Business Machines Corporation and
Copyright (C) 2001-2004 Farooq Mela.
Copyright (C) 2001-2004, International Business Machines
Copyright (C) 2001-2005, International Business Machines
Copyright (C) 2001-2005, International Business Machines Corporation and others. All Rights Reserved.
Copyright (C) 2001-2006 Python Software Foundation Author: Barry Warsaw Contact: email-sig@python.org
Copyright (C) 2001-2006 Python Software Foundation Author: Ben Gertzfield Contact: email-sig@python.org
Copyright (C) 2001-2006 Python Software Foundation Author: Keith Dart Contact: email-sig@python.org
Copyright (C) 2001-2006, International Business Machines
Copyright (C) 2001-2007 Python Software Foundation Author: Anthony Baxter Contact: email-sig@python.org
Copyright (C) 2001-2007 Python Software Foundation Author: Barry Warsaw Contact: email-sig@python.org



Copyright (C) 2001-2007 Python Software Foundation Author: Barry Warsaw, Thomas Wouters, Anthony Baxter Contact: email-sig@python.org

Copyright (C) 2001-2007 Python Software Foundation Author: Ben Gertzfield, Barry Warsaw Contact: email-sig@python.org

Copyright (C) 2001-2007, International Business Machines

Copyright (C) 2001-2008, International Business Machines

Copyright (C) 2001-2008,2010 IBM and others.

Copyright (C) 2001-2009, International Business Machines

Copyright (C) 2001-2010 Python Software Foundation Author: Barry Warsaw Contact: email-sig@python.org

Copyright (C) 2001-2010 Python Software Foundation Contact: email-sig@python.org email package unit tests

Copyright (C) 2001-2010, International Business Machines

Copyright (C) 2001-2011 IBM and others.

Copyright (C) 2001-2011 Mellanox Technologies Ltd. ALL RIGHTS RESERVED.

Copyright (C) 2001-2011, International Business Machines

Copyright (C) 2001-2011, International Business Machines Corporation

Copyright (C) 2001-2011, International Business Machines Corporation and

Copyright (C) 2001-2011, International Business Machines Corporation.

Copyright (C) 2001-2011,2014 IBM and others.

Copyright (C) 2001-2012 IBM, Inc. All Rights Reserved.

Copyright (C) 2001-2012 Python Software Foundation. All Rights Reserved.

Copyright (C) 2001-2012, International Business Machines

Copyright (C) 2001-2012, International Business Machines Corporation and

Copyright (C) 2001-2013, International Business Machines

Copyright (C) 2001-2014 IBM and others.

Copyright (C) 2001-2014 International Business Machines

Copyright (C) 2001-2014, International Business Machines

Copyright (C) 2001-2014, International Business Machines Corporation and

Copyright (C) 2001-2014, International Business Machines Corporation.

Copyright (C) 2001-2015 IBM and others.

Copyright (C) 2001-2015, International Business Machines

Copyright (C) 2001-2016 IBM, Inc. All Rights Reserved.

Copyright (C) 2001-2016 International Business Machines Corporation

Copyright (C) 2001-2016 Vinay Sajip. All Rights Reserved.

Copyright (C) 2001-2016, International Business Machines

Copyright (C) 2001-2016, International Business Machines Corporation and

Copyright (C) 2001-2016, International Business Machines orporation

Copyright (C) 2001-2017 Vinay Sajip. All Rights Reserved.

Copyright (C) 2001-2018 Free Software Foundation, Inc.

Copyright (C) 2001-2019 Vinay Sajip. All Rights Reserved.

Copyright (C) 20010-2011 Hauke Heibel <hauke.heibel@gmail.com>



Copyright (C) 2013 Gael Guennebaud <gael.guennebaud@inria.fr>
Copyright (C) 2015 Gael Guennebaud <gael.guennebaud@inria.fr>
Copyright (C) 2002 Lars Gustaebel <lars@gustaebel.de>
Copyright (C) 2002 Michael Ringgaard.
Copyright (C) 2002 University of Chicago.
Copyright (C) 2002, 2003 Python Software Foundation.
Copyright (C) 2002, International Business Machines
Copyright (C) 2002-2003 Kevin Cazabon
Copyright (C) 2002-2003 Kevin Cazabon kevin@cazabon.com Adapted/reworked for PIL by Fredrik Lundh
Copyright (C) 2002-2003 Kevin Cazabon kevin@cazabon.com http:www.cazabon.com
Copyright (C) 2002-2003 Kevin Cazabon
Copyright (C) 2002-2003, International Business Machines
Copyright (C) 2002-2004 Python Software Foundation
Copyright (C) 2002-2005, International Business Machines Corporation and
Copyright (C) 2002-2006 IBM, Inc. All Rights Reserved.
Copyright (C) 2002-2006 International Business Machines Corporation
Copyright (C) 2002-2006 Python Software Foundation Author: Barry Warsaw Contact: email-sig@python.org
Copyright (C) 2002-2006 Python Software Foundation Contact: email-sig@python.org email package unit tests for (optional) Asian codecs
Copyright (C) 2002-2006, International Business Machines
Copyright (C) 2002-2007 Python Software Foundation Author: Ben Gertzfield Contact: email-sig@python.org
Copyright (C) 2002-2007 Python Software Foundation Author: Ben Gertzfield, Barry Warsaw Contact: email-sig@python.org
Copyright (C) 2002-2007 Python Software Foundation Contact: email-sig@python.org
Copyright (C) 2002-2007 Yves Renard
Copyright (C) 2002-2008 International Business Machines Corporation
Copyright (C) 2002-2008, International Business Machines Corporation and others.
Copyright (C) 2002-2010, International Business Machines
Copyright (C) 2002-2011 International Business Machines Corporation and others. All Rights Reserved.
Copyright (C) 2002-2011, International Business Machines
Copyright (C) 2002-2011, International Business Machines Corporation and others.
Copyright (C) 2002-2012, International Business Machines
Copyright (C) 2002-2013 Mark Adler, all rights reserved version 2.3, 21 Jan 2013
Copyright (C) 2002-2013, International Business Machines
Copyright (C) 2002-2014 International Business Machines Corporation
Copyright (C) 2002-2014, International Business Machines Corporation and
Copyright (C) 2002-2014, International Business Machines
(C) Copyright IBM Corp. 1998-2011 - All Rights Reserved
Copyright (C) 2002-2015 International Business Machines Corporation
Copyright (C) 2002-2015, International Business Machines Corporation and others.



Copyright (C) 2002-2015, International Business Machines verbatim (minus copyright and include) and copied together into this file.
Copyright (C) 2002-2016 IBM, Inc. All Rights Reserved.
Copyright (C) 2002-2016 International Business Machines Corporation
Copyright (C) 2002-2016 International Business Machines Corporation and others.
Copyright (C) 2002-2016, International Business Machines
Copyright (C) 2002-2016, International Business Machines Corporation
Copyright (C) 2002-2016, International Business Machines Corporation and others.
Copyright (C) 2002-2018 Free Software Foundation, Inc.
Copyright (C) 2003 - 2008, International Business Machines
Copyright (C) 2003 - 2008, International Business Machines Corporation and
Copyright (C) 2003 - 2009, International Business Machines Corporation and
Copyright (C) 2003 - 2013, International Business Machines Corporation and
Copyright (C) 2003 Chris Anderson <christop@charm.net>
Copyright (C) 2003 Cosmin Truta.
Copyright (C) 2003 Python Software Foundation
Copyright (C) 2003 University of Chicago, Ohio Supercomputer Center.
Copyright (C) 2003 University of Chicago.
Copyright (C) 2003 by Cosmin Truta.
Copyright (C) 2003, 2007-14 Massachusetts Institute of Technology
Copyright (C) 2003, 2007-14 Matteo Frigo
Copyright (C) 2003, 2012 Mark Adler, all rights reserved version 1.2, 11 Oct 2012
Copyright (C) 2003, 2012, 2013 Mark Adler version 1.3, 24 Aug 2013
Copyright (C) 2003, International Business Machines
Copyright (C) 2003, International Business Machines Corporation and
Copyright (C) 2003-2003, International Business Machines
Copyright (C) 2003-2004 Federico Di Gregorio <fog@debian.org>
Copyright (C) 2003-2004, International Business Machines
Copyright (C) 2003-2005 Peter J. Verveer
Copyright (C) 2003-2005, International Business Machines
Copyright (C) 2003-2006, International Business Machines
Copyright (C) 2003-2007, International Business Machines
Copyright (C) 2003-2008, International Business Machines
Copyright (C) 2003-2008, International Business Machines Corporation
Copyright (C) 2003-2009, International Business Machines
Copyright (C) 2003-2009,2012,2016 International Business Machines Corporation and
Copyright (C) 2003-2010, International Business Machines Corporation and others.
Copyright (C) 2003-2011, International Business Machines
Copyright (C) 2003-2012, International Business Machines
Copyright (C) 2003-2012, International Business Machines Corporation and COPYRIGHT AND PERMISSION NOTICE
Copyright (C) 2003-2013 Python Software Foundation



Copyright (C) 2003-2013, International Business Machines
Copyright (C) 2003-2013, International Business Machines Corporation
Copyright (C) 2003-2013, International Business Machines Corporation and
Copyright (C) 2003-2014, International Business Machines
Copyright (C) 2003-2014, International Business Machines Corporation
Copyright (C) 2003-2015, International Business Machines
Copyright (C) 2003-2015, International Business Machines Corporation
Copyright (C) 2003-2016, International Business Machines
Copyright (C) 2003-2016, International Business Machines Corporation
Copyright (C) 2003-2016, International Business Machines Corporation and
Copyright (C) 2003-2018 Free Software Foundation, Inc.
Copyright (C) 2004 - 2008, International Business Machines Corporation and
Copyright (C) 2004 - 2011 by Daniel Stenberg et al
Copyright (C) 2004 - 2012 by Daniel Stenberg et al
Copyright (C) 2004 - 2013 by Daniel Stenberg et al
Copyright (C) 2004 Free Software Foundation, Inc.
Copyright (C) 2004 University of Chicago.
Copyright (C) 2004 by Daniel Stenberg et al
Copyright (C) 2004 by Sun Microsystems, Inc.
Copyright (C) 2004, 2005, 2007 Free Software Foundation, Inc.
Copyright (C) 2004, 2005, 2007, 2008 Free Software Foundation, Inc.
Copyright (C) 2004, 2005, 2012 Mark Adler, all rights reserved version 1.2, 14 Aug 2012
Copyright (C) 2004, 2008, 2012 Mark Adler, all rights reserved version 2.2, 14 Aug 2012
Copyright (C) 2004, 2011-2015 Free Software Foundation, Inc.
Copyright (C) 2004, International Business Machines Corporation and
Copyright (C) 2004-2005 Gerhard Häring <gh@ghaering.de>
Copyright (C) 2004-2005, 2007, 2009, 2011-2015 Free Software Foundation, Inc.
Copyright (C) 2004-2005, 2007-2008, 2011-2015 Free Software Foundation, Inc.
Copyright (C) 2004-2005, 2007-2009, 2011-2015 Free Software Foundation, Inc.
Copyright (C) 2004-2005, International Business Machines
Copyright (C) 2004-2006 Python Software Foundation Authors: Baxter, Wouters and Warsaw Contact:
email-sig@python.org
Copyright (C) 2004-2006, International Business Machines
Copyright (C) 2004-2007, International Business Machines
Copyright (C) 2004-2008, International Business Machines
Copyright (C) 2004-2009 by Daniel Stenberg
Copyright (C) 2004-2009 by Daniel Stenberg.
Copyright (C) 2004-2009, International Business Machines Corporation and
Copyright (C) 2004-2010 Gerhard Häring <gh@ghaering.de>
Copyright (C) 2004-2010 by Daniel Stenberg
Copyright (C) 2004-2010 by Daniel Stenberg.
Copyright (C) 2004-2010, International Business Machines



Copyright (C) 2004-2011 by Daniel Stenberg
Copyright (C) 2004-2011, International Business Machines
Copyright (C) 2004-2012, International Business Machines
Copyright (C) 2004-2012, International Business Machines Corporation and
Copyright (C) 2004-2014, International Business Machines
Copyright (C) 2004-2015, International Business Machines
Copyright (C) 2004-2015, International Business Machines Corporation and others.
Copyright (C) 2004-2016 International Business Machines
Copyright (C) 2004-2016, International Business Machines
Copyright (C) 2004-2017 by Daniel Stenberg
Copyright (C) 2004-2018 Free Software Foundation, Inc.
Copyright (C) 2004-2018 Max-Planck-Society \author Martin Reinecke
Copyright (C) 2005 - 2010, Daniel Stenberg
Copyright (C) 2005 Free Software Foundation, Inc.
Copyright (C) 2005 Gerhard Häring <gh@ghaering.de>
Copyright (C) 2005 Martin v. Löwis Licensed to PSF under a Contributor Agreement.
Copyright (C) 2005 Martin v. Löwis Licensed to PSF under a contributor agreement.
Copyright (C) 2005 University of Chicago.
Copyright (C) 2005 by Dominick Meglio
Copyright (C) 2005, 2006 Martin von Löwis Licensed to PSF under a Contributor Agreement.
Copyright (C) 2005, 2013 by Dominick Meglio
Copyright (C) 2005, International Business Machines
Copyright (C) 2005-2006, International Business Machines
Copyright (C) 2005-2007 Gregory P. Smith (greg@krypto.org)
Copyright (C) 2005-2007 Gerhard Häring <gh@ghaering.de>
Copyright (C) 2005-2008, International Business Machines
Copyright (C) 2005-2010, Gregory P. Smith (greg@krypto.org)
Copyright (C) 2005-2010 Gerhard Häring <gh@ghaering.de>
Copyright (C) 2005-2010, International Business Machines
Copyright (C) 2005-2011, International Business Machines
Copyright (C) 2005-2012, International Business Machines
Copyright (C) 2005-2013 by Daniel Stenberg et al
Copyright (C) 2005-2013, International Business Machines
Copyright (C) 2005-2014, International Business Machines
Copyright (C) 2005-2015, International Business Machines
Copyright (C) 2005-2016, International Business Machines
Copyright (C) 2005-2016, International Business Machines Corporation and
Copyright (C) 2006 - 2010, Gregor Lingl email: glingl@aon.at
Copyright (C) 2006 International Business Machines Corporation
Copyright (C) 2006 Simon Perreault
Copyright (C) 2006 University of Chicago.
Copyright (C) 2006 Unknown (TODO: fix this)



Copyright (C) 2006, International Business Machines
Copyright (C) 2006-2008 Benoit Jacob <jacob.benoit.1@gmail.com>
Copyright (C) 2006-2008, 2010 Benoit Jacob <jacob.benoit.1@gmail.com>
Copyright (C) 2006-2009 Benoit Jacob <jacob.benoit.1@gmail.com>
Copyright (C) 2006-2010 Benoit Jacob <jacob.benoit.1@gmail.com>
Copyright (C) 2006-2012, International Business Machines Corporation and others.
Copyright (C) 2006-2014, International Business Machines Corporation
Copyright (C) 2006-2016, International Business Machines Corporation
Copyright (C) 2006-2018 Free Software Foundation, Inc.
Copyright (C) 2007 Free Software Foundation, Inc.
Copyright (C) 2007 Free Software Foundation, Inc. <<http://fsf.org/>>
Copyright (C) 2007 Julien Pommier
Copyright (C) 2007 Michael Olbrich <michael.olbrich@gmx.net>
Copyright (C) 2007 Oak Ridge National Laboratory
Copyright (C) 2007 UChicago/Argonne LLC
Copyright (C) 2007 UChicago/Argonne LLC.
Copyright (C) 2007 University of Chicago.
Copyright (C) 2007, 2008, 2012 Mark Adler Version 1.4 18 August 2012 Mark Adler
Copyright (C) 2007, International Business Machines
Copyright (C) 2007, International Business Machines Corporation and
Copyright (C) 2007-2007, International Business Machines
(C) Copyright IBM Corp. 1998-2014 - All Rights Reserved
Copyright (C) 2007-2008 Even Rouault
Copyright (C) 2007-2008, International Business Machines Corporation and
Copyright (C) 2007-2009 Benoit Jacob <jacob.benoit.1@gmail.com>
Copyright (C) 2007-2010 Benoit Jacob <jacob.benoit.1@gmail.com>
Copyright (C) 2007-2011, International Business Machines Corporation and
Copyright (C) 2007-2012 Michael Ford & the mock team E-mail: fuzzyman AT voidspace DOT org DOT
uk
Copyright (C) 2007-2012, International Business Machines
Copyright (C) 2007-2012, International Business Machines Corporation and
Copyright (C) 2007-2013 by Daniel Stenberg
Copyright (C) 2007-2013, International Business Machines Corporation
Copyright (C) 2007-2013, International Business Machines Corporation and
Copyright (C) 2007-2014, International Business Machines Corporation
Copyright (C) 2007-2014, International Business Machines Corporation and
Copyright (C) 2007-2015, International Business Machines
Copyright (C) 2007-2015, International Business Machines Corporation and
Copyright (C) 2007-2016, International Business Machines Corporation and
Copyright (C) 2007-2016, International Business Machines
© 2018 and later: Unicode, Inc. and others.
Copyright (C) 2008 - 2009 by Daniel Stenberg et al



Copyright (C) 2008 - 2012 by Daniel Stenberg et al
Copyright (C) 2008 - 2013 by Daniel Stenberg et al
Copyright (C) 2008 Benoit Jacob <jacob.benoit.1@gmail.com>
Copyright (C) 2008 Damian Eads
Copyright (C) 2008 Daniel Gomez Ferro <dgomezferro@gmail.com>
Copyright (C) 2008 Free Software Foundation, Inc.
Copyright (C) 2008 Gael Guennebaud <g.gael@free.fr>
Copyright (C) 2008 Gael Guennebaud <gael.guennebaud@inria.fr>
Copyright (C) 2008 Guillaume Saupin <guillaume.saupin@cea.fr>
Copyright (C) 2008 Sun Microsystems, Lustre group
Copyright (C) 2008 University of Chicago.
Copyright (C) 2008 by Daniel Stenberg et al
Copyright (C) 2008, 2011, Nils Hasler, all
Copyright (C) 2008, Google, International Business Machines Corporation and
Copyright (C) 2008, International Business Machines
Copyright (C) 2008, International Business Machines Corporation and
Copyright (C) 2008, International Business Machines Corporation and others.
Copyright (C) 2008, Nils Hasler, all
Copyright (C) 2008, Willow Garage Inc., all
Copyright (C) 2008-2009 Benoit Jacob <jacob.benoit.1@gmail.com>
Copyright (C) 2008-2009 Gael Guennebaud <gael.guennebaud@inria.fr>
Copyright (C) 2008-2009 Guillaume Saupin <guillaume.saupin@cea.fr>
Copyright (C) 2008-2009, International Business Machines Corporation and
Copyright (C) 2008-2010 Benoit Jacob <jacob.benoit.1@gmail.com>
Copyright (C) 2008-2010 Gael Guennebaud <g.gael@free.fr>
Copyright (C) 2008-2010 Gael Guennebaud <gael.guennebaud@inria.fr>
Copyright (C) 2008-2010 by Daniel Stenberg
Copyright (C) 2008-2010, Willow Garage Inc., all
Copyright (C) 2008-2011 Gael Guennebaud <gael.guennebaud@inria.fr>
Copyright (C) 2008-2011 INADA Naoki <songofacandy@gmail.com>
Copyright (C) 2008-2011, International Business Machines
Copyright (C) 2008-2011, Willow Garage Inc., all
Copyright (C) 2008-2012 Gael Guennebaud <gael.guennebaud@inria.fr>
Copyright (C) 2008-2012 IBM, Inc. All Rights Reserved.
Copyright (C) 2008-2012, International Business Machines
Copyright (C) 2008-2012, International Business Machines Corporation
Copyright (C) 2008-2012, Willow Garage Inc., all
Copyright (C) 2008-2013 by Daniel Stenberg
Copyright (C) 2008-2013, International Business Machines
Copyright (C) 2008-2013, International Business Machines Corporation
Copyright (C) 2008-2013, International Business Machines Corporation and
Copyright (C) 2008-2013, Itseez Inc., all



Copyright (C) 2008-2013, Willow Garage Inc., all
Copyright (C) 2008-2014 Gael Guennebaud <gael.guennebaud@inria.fr>
Copyright (C) 2008-2014, Google, International Business Machines Corporation
Copyright (C) 2008-2014, Google, International Business Machines Corporation and
Copyright (C) 2008-2014, International Business Machines Corporation and
Copyright (C) 2008-2015 Gael Guennebaud <gael.guennebaud@inria.fr>
Copyright (C) 2008-2015, Google, International Business Machines Corporation
Copyright (C) 2008-2015, International Business Machines
Copyright (C) 2008-2015, International Business Machines Corporation
Copyright (C) 2008-2015, International Business Machines Corporation and
Copyright (C) 2008-2016 Gael Guennebaud <gael.guennebaud@inria.fr>
Copyright (C) 2008-2016 Konstantinos Margaritis <markos@freevec.org>
Copyright (C) 2008-2016, International Business Machines
Copyright (C) 2008-2016, International Business Machines Corporation
Copyright (C) 2008-2016, International Business Machines Corporation and
Copyright (C) 2008-2016, Itseez Inc., all
Copyright (C) 2009 - 2013 by Daniel Stenberg et al
Copyright (C) 2009 Benjamin Schindler <bschindler@inf.ethz.ch>
Copyright (C) 2009 Benoit Jacob <jacob.benoit.1@gmail.com>
Copyright (C) 2009 Claire Maurice
Copyright (C) 2009 Free Software Foundation, Inc.
Copyright (C) 2009 Gael Guennebaud <g.gael@free.fr>
Copyright (C) 2009 Gael Guennebaud <gael.guennebaud@inria.fr>
Copyright (C) 2009 Google Inc.
Copyright (C) 2009 Guillaume Saupin <guillaume.saupin@cea.fr>
Copyright (C) 2009 Hauke Heibel <hauke.heibel@gmail.com>
Copyright (C) 2009 Hauke Heibel <hauke.heibel@googlemail.com>
Copyright (C) 2009 Ilya Baran <ibaran@mit.edu>
Copyright (C) 2009 International Business Machines
Copyright (C) 2009 Jitse Niesen <jitse@maths.leeds.ac.uk>
Copyright (C) 2009 Keir Mierle <mierle@gmail.com>
Copyright (C) 2009 Kenneth Riddile <kfriddile@yahoo.com>
Copyright (C) 2009 Mark Borgerding mark a borgerding net
Copyright (C) 2009 Mathieu Gautier <mathieu.gautier@cea.fr>
Copyright (C) 2009 Pauli Virtanen Distributed under the same license as Scipy.
Copyright (C) 2009 Ricard Marxer <email@ricardmarxer.com>
Copyright (C) 2009 Rohit Garg <rpg.314@gmail.com>
Copyright (C) 2009 The Android Open Source Project
Copyright (C) 2009 Thomas Capricelli <orzel@freehackers.org>
Copyright (C) 2009 by Daniel Stenberg et al
Copyright (C) 2009 by Dimitri van Heesch.
Copyright (C) 2009 by Jakub Hrozek <jhrozek@redhat.com>



Copyright (C) 2009, 2010, 2013 Jitse Niesen <jitse@maths.leeds.ac.uk>
Copyright (C) 2009, 2011, 2014-2015, 2018, 2020, D. R. Commander.
Copyright (C) 2009, 2011, 2014-2015, 2018, D. R. Commander.
Copyright (C) 2009, 2011, 2014-2015, 2020, D. R. Commander.
Copyright (C) 2009, 2011, 2014-2015, D. R. Commander.
Copyright (C) 2009, 2011, 2015, D. R. Commander.
Copyright (C) 2009, 2011-2012, 2014-2015, D. R. Commander.
Copyright (C) 2009, 2014-2015, 2020, D. R. Commander.
Copyright (C) 2009, 2014-2015, D. R. Commander.
Copyright (C) 2009, 2015, D. R. Commander.
Copyright (C) 2009, Intel Corporation and others, all
Copyright (C) 2009, International Business Machines
Copyright (C) 2009, Liu Liu
Copyright (C) 2009, Pauli Virtanen <pav@iki.fi>
Copyright (C) 2009, Willow Garage Inc., all
Copyright (C) 2009-2010 Benoit Jacob <jacob.benoit.1@gmail.com>
Copyright (C) 2009-2010 Gael Guennebaud <gael.guennebaud@inria.fr>
Copyright (C) 2009-2010 IBM Corporation and Others. All Rights Reserved.
Copyright (C) 2009-2010 Mathias Svensson (<http://result42.com>)
Copyright (C) 2009-2010, Google, International Business Machines Corporation and
Copyright (C) 2009-2010, International Business Machines Corporation and
Copyright (C) 2009-2010, Willow Garage Inc., all
Copyright (C) 2009-2011 Jitse Niesen <jitse@maths.leeds.ac.uk>
Copyright (C) 2009-2011, 2013 Jitse Niesen <jitse@maths.leeds.ac.uk>
Copyright (C) 2009-2011, 2013-2014, 2016, 2018, D. R. Commander.
Copyright (C) 2009-2011, 2013-2014, 2016-2017, 2020, D. R. Commander.
Copyright (C) 2009-2011, 2013-2014, 2016-2017, D. R. Commander.
Copyright (C) 2009-2011, 2014, 2016, 2018, D. R. Commander.
Copyright (C) 2009-2011, 2014, D. R. Commander.
Copyright (C) 2009-2011, 2014-2016, 2018, D. R. Commander.
Copyright (C) 2009-2011, 2014-2016, 2018-2019, D. R. Commander.
Copyright (C) 2009-2011, 2016, 2018-2019, D. R. Commander.
Copyright (C) 2009-2011, 2016, D. R. Commander.
Copyright (C) 2009-2011, 2018, D. R. Commander.
Copyright (C) 2009-2011, International Business Machines
Copyright (C) 2009-2011, International Business Machines Corporation and
Copyright (C) 2009-2011, International Business Machines Corporation, Google and Others.
Copyright (C) 2009-2011, Willow Garage Inc., all
Copyright (C) 2009-2012, 2015, D. R. Commander.
Copyright (C) 2009-2012, International Business Machines
Copyright (C) 2009-2012, International Business Machines Corporation and
Copyright (C) 2009-2012, Willow Garage Inc., all



Copyright (C) 2009-2013 by Daniel Stenberg
Copyright (C) 2009-2013 by Daniel Stenberg et al
Copyright (C) 2009-2013, International Business Machines
Copyright (C) 2009-2013, International Business Machines Corporation and
Copyright (C) 2009-2014 Gael Guennebaud <gael.guennebaud@inria.fr>
Copyright (C) 2009-2014 International Business Machines
Copyright (C) 2009-2014, International Business Machines
Copyright (C) 2009-2014, International Business Machines Corporation and
Copyright (C) 2009-2015 Gael Guennebaud <gael.guennebaud@inria.fr>
Copyright (C) 2009-2015, International Business Machines
Copyright (C) 2009-2015, International Business Machines Corporation and
Copyright (C) 2009-2016 by Daniel Stenberg
Copyright (C) 2009-2016, International Business Machines
Copyright (C) 2009-2016, International Business Machines Corporation and
Copyright (C) 2009-2016, International Business Machines Corporation,
Copyright (C) 2009-2016, NVIDIA Corporation, all
Copyright (C) 2009-2017, International Business Machines Corporation, Google, and others. All Rights Reserved.
Copyright (C) 2009-2018 Free Software Foundation, Inc.
Copyright (C) 2009. QLogic Corporation.
Copyright (C) 2010, Elmar Mair
Copyright (C) 2010, Yahoo! Inc.
Copyright (C) 2010 Benoit Jacob <jacob.benoit.1@gmail.com>
Copyright (C) 2010 Daniel Lowengrub <lowdanie@gmail.com>
Copyright (C) 2010 David Fong and Michael Saunders
Copyright (C) 2010 David Fong and Michael Saunders Distributed under the same license as SciPy
Copyright (C) 2010 Gael Guennebaud <gael.guennebaud@inria.fr>
Copyright (C) 2010 Hauke Heibel <hauke.heibel@gmail.com>
Copyright (C) 2010 Jeremy Lal <kapouer@melix.org>
Copyright (C) 2010 Jitse Niesen <jitse@maths.leeds.ac.uk>
Copyright (C) 2010 Konstantinos Margaritis <markos@freevec.org>
Copyright (C) 2010 Manuel Yguel <manuel.yguel@gmail.com>
Copyright (C) 2010 The Android Open Source Project
Copyright (C) 2010 Thomas Capricelli <orzel@freehackers.org>
Copyright (C) 2010 Vincent Lejeune
Copyright (C) 2010, 2012-2019, D. R. Commander.
Copyright (C) 2010, 2012-2020, D. R. Commander.
Copyright (C) 2010, 2013 Jitse Niesen <jitse@maths.leeds.ac.uk>
Copyright (C) 2010, 2013-2014, 2017, D. R. Commander.
Copyright (C) 2010, 2014, 2017, D. R. Commander.
Copyright (C) 2010, 2015, D. R. Commander.
Copyright (C) 2010, 2015-2016, D. R. Commander.



Copyright (C) 2010, 2015-2018, 2020, D. R. Commander.
Copyright (C) 2010, 2015-2018, D. R. Commander.
Copyright (C) 2010, 2016, 2018, D. R. Commander.
Copyright (C) 2010, 2016, D. R. Commander.
Copyright (C) 2010, 2017, D. R. Commander.
Copyright (C) 2010, 2018, D. R. Commander.
Copyright (C) 2010, 2020, D. R. Commander.
Copyright (C) 2010, D. R. Commander.
Copyright (C) 2010, International Business Machines
Copyright (C) 2010, Willow Garage Inc., all
Copyright (C) 2010,2012 Jitse Niesen <jitse@maths.leeds.ac.uk>
Copyright (C) 2010-2011 Gael Guennebaud <gael.guennebaud@inria.fr>
Copyright (C) 2010-2011 Hauke Heibel <heibel@gmail.com>
Copyright (C) 2010-2011 Jitse Niesen <jitse@maths.leeds.ac.uk>
Copyright (C) 2010-2011, 2013-2017, D. R. Commander.
Copyright (C) 2010-2011, 2015-2016, D. R. Commander.
Copyright (C) 2010-2011, International Business Machines
Copyright (C) 2010-2012 Daniel Beer <dlbeer@gmail.com>
Copyright (C) 2010-2012 by Daniel Stenberg
Copyright (C) 2010-2012, Advanced Micro Devices, Inc., all
Copyright (C) 2010-2012, Institute Of Software Chinese Academy Of Science, all
Copyright (C) 2010-2012, International Business Machines
Copyright (C) 2010-2012, MulticoreWare Inc., all
Copyright (C) 2010-2012, Multicoreware, Inc., all
Copyright (C) 2010-2012,2014, International Business Machines
Copyright (C) 2010-2012,2015 International Business Machines
Copyright (C) 2010-2013 Hauke Heibel <hauke.heibel@gmail.com>
Copyright (C) 2010-2013 by Daniel Stenberg
Copyright (C) 2010-2013, Advanced Micro Devices, Inc., all
Copyright (C) 2010-2013, International Business Machines
Copyright (C) 2010-2014 Gael Guennebaud <gael.guennebaud@inria.fr>
Copyright (C) 2010-2014, International Business Machines
Copyright (C) 2010-2014, International Business Machines Corporation and
Copyright (C) 2010-2014, International Business Machines Corporation and others.
Copyright (C) 2010-2015, International Business Machines
Copyright (C) 2010-2015, International Business Machines Corporation and
Copyright (C) 2010-2016 Gael Guennebaud <gael.guennebaud@inria.fr>
Copyright (C) 2010-2016 International Business Machines
Copyright (C) 2010-2016 Konstantinos Margaritis <markos@freevec.org>
Copyright (C) 2010-2016, International Business Machines
Copyright (C) 2010-2016, International Business Machines Corporation and
Copyright (C) 2010-2017 Gael Guennebaud <gael.guennebaud@inria.fr>



Copyright (C) 2010-2019 Max-Planck-Society
Copyright (C) 2011 The Autonomous Systems Lab (ASL), ETH Zurich, Stefan Leutenegger, Simon Lynen and Margarita Chli.
Copyright (C) 2011 Andreas Platen <andiplatten@gmx.de>
Copyright (C) 2011 Benoit Jacob <jacob.benoit.1@gmail.com>
Copyright (C) 2011 Chen-Pang He <jdh8@ms63.hinet.net>
Copyright (C) 2011 Free Software Foundation, Inc.
Copyright (C) 2011 Gael Guennebaud <g.gael@free.fr>
Copyright (C) 2011 Gael Guennebaud <gael.guennebaud@inria.fr>
Copyright (C) 2011 Jitse Niesen <jitse@maths.leeds.ac.uk>
Copyright (C) 2011 Kolja Brix <brix@igpm.rwth-aachen.de>
Copyright (C) 2011 Mikhail Kurnosov <mkurnosov@gmail.com>
Copyright (C) 2011 Timothy E. Holy <tim.holy@gmail.com >
Copyright (C) 2011, 2013 Chen-Pang He <jdh8@ms63.hinet.net>
Copyright (C) 2011, 2013 Jitse Niesen <jitse@maths.leeds.ac.uk>
Copyright (C) 2011, 2014, 2016, 2019, D. R. Commander.
Copyright (C) 2011, 2014, D. R. Commander.
Copyright (C) 2011, 2014, D. R. Commander. All Rights Reserved.
Copyright (C) 2011, 2014-2015, D. R. Commander.
Copyright (C) 2011, 2014-2016, 2018, D. R. Commander.
Copyright (C) 2011, 2015, 2018, D. R. Commander.
Copyright (C) 2011, 2015, 2020, D. R. Commander.
Copyright (C) 2011, 2015, D. R. Commander.
Copyright (C) 2011, 2015, D. R. Commander. All Rights Reserved.
Copyright (C) 2011, 2016, 2019, D. R. Commander.
Copyright (C) 2011, International Business Machines
Copyright (C) 2011, International Business Machines Corporation and others. All Rights Reserved.
Copyright (C) 2011, Nokia Corporation and/or its subsidiary(-ies).
Copyright (C) 2011-2012 Jitse Niesen <jitse@maths.leeds.ac.uk>
Copyright (C) 2011-2012 Vinay Sajip.
Copyright (C) 2011-2012, International Business Machines
Copyright (C) 2011-2012, International Business Machines Corporation and
Copyright (C) 2011-2013 Vinay Sajip.
Copyright (C) 2011-2013, Apple Inc. and others. All Rights Reserved.
Copyright (C) 2011-2013, Apple Inc.; Unicode, Inc.; and others. All Rights Reserved.
Copyright (C) 2011-2013, International Business Machines
Copyright (C) 2011-2013, International Business Machines Corporation
Copyright (C) 2011-2014 Gael Guennebaud <gael.guennebaud@inria.fr>
Copyright (C) 2011-2014 International Business Machines
Copyright (C) 2011-2014 Vinay Sajip.
Copyright (C) 2011-2014, International Business Machines
Copyright (C) 2011-2015 Gael Guennebaud <gael.guennebaud@inria.fr>



Copyright (C) 2011-2015, International Business Machines
Copyright (C) 2011-2015, International Business Machines Corporation and
Copyright (C) 2011-2016, International Business Machines
Copyright (C) 2011-2016, International Business Machines Corporation and
Copyright (C) 2012 Christian Heimes (christian@python.org)
Copyright (C) 2012 Désiré Nuentza-Wakam <desire.nuentsawakam@inria.fr>
Copyright (C) 2012 Alexey Korepanov <kaikaikai@yandex.ru>
Copyright (C) 2012 Chen-Pang He <jdh8@ms63.hinet.net>
Copyright (C) 2012 Cisco Systems, Inc.
Copyright (C) 2012 David Harmon <dharmon@gmail.com>
Copyright (C) 2012 Desire NUENTSA WAKAM <desire.nuentsawakam@inria.fr>
Copyright (C) 2012 Desire NUENTSA WAKAM <desire.nuentsawakam@inria.fr>
Copyright (C) 2012 Desire Nuentza <desire.nuentsawakam@inria.fr>
Copyright (C) 2012 Désiré Nuentza-Wakam <desire.nuentsawakam@inria.fr>
Copyright (C) 2012 Free Software Foundation, Inc.
Copyright (C) 2012 Gael Guennebaud <gael.guennebaud@inria.fr>
Copyright (C) 2012 Giacomo Po <gpo@ucla.edu>
Copyright (C) 2012 Google Inc.
Copyright (C) 2012 IBM Corporation and Others. All Rights Reserved.
Copyright (C) 2012 International Business Machines Corporation
Copyright (C) 2012 International Business Machines Corporation and Others. All Rights Reserved.
Copyright (C) 2012 Keir Mierle <mierle@gmail.com>
Copyright (C) 2012 Kolja Brix <brix@igpm.rwth-aaachen.de>
Copyright (C) 2012 Marko Kreen <markokr@gmail.com>
Copyright (C) 2012 The Android Open Source Project
(C) Desire NUENTSA WAKAM, INRIA
Copyright (C) 2012 The Python Software Foundation.
Copyright (C) 2012 desire Nuentza <desire.nuentsawakam@inria.fr>
Copyright (C) 2012, 2013 Chen-Pang He <jdh8@ms63.hinet.net>
Copyright (C) 2012, 2014 Kolja Brix <brix@igpm.rwth-aaachen.de>
Copyright (C) 2012, 2015, D. R. Commander.
Copyright (C) 2012, iSEC Partners.
Copyright (C) 2012,2014 International Business Machines
Copyright (C) 2012-2013 Desire Nuentza <desire.nuentsawakam@inria.fr>
Copyright (C) 2012-2013 Python Software Foundation.
Copyright (C) 2012-2013, International Business Machines
Copyright (C) 2012-2014 Gael Guennebaud <gael.guennebaud@inria.fr>
Copyright (C) 2012-2014, International Business Machines
Copyright (C) 2012-2014, NVIDIA Corporation, all
Copyright (C) 2012-2015 Vinay Sajip.
Copyright (C) 2012-2015, International Business Machines
Copyright (C) 2012-2015, NVIDIA Corporation, all



Copyright (C) 2012-2016 Christian Heimes (christian@python.org)
Copyright (C) 2012-2016 Gael Guennebaud <gael.guennebaud@inria.fr>
Copyright (C) 2012-2016, International Business Machines
Copyright (C) 2012-2017 The Python Software Foundation.
Copyright (C) 2012-2017 Vinay Sajip.
Copyright (C) 2012-2019 Vinay Sajip.
Copyright (C) 2013 Pauli Virtanen
Copyright (C) 2013 Christian Seiler <christian@iwakd.de>
Copyright (C) 2013 Christoph Hertzberg <chtz@informatik.uni-bremen.de>
Copyright (C) 2013 Desire Nuentza <desire.nuentsawakam@inria.fr>
Copyright (C) 2013 Désiré Nuentza-Wakam <desire.nuentsawakam@inria.fr>
Copyright (C) 2013 Gael Guennebaud <gael.guennebaud@inria.fr>
Copyright (C) 2013 Gauthier Brun <brun.gauthier@gmail.com>
Copyright (C) 2013 Hauke Heibel <hauke.heibel@gmail.com>
Copyright (C) 2013 Jean Ceccato <jean.ceccato@ensimag.fr>
Copyright (C) 2013 Jitse Niesen <jitse@maths.leeds.ac.uk>
Copyright (C) 2013 Kenneth L. Ho
Copyright (C) 2013 Nicolas Carre <nicolas.carre@ensimag.fr>
Copyright (C) 2013 Pavel Holoborodko <pavel@holoborodko.com>
Copyright (C) 2013 Pierre Zoppitelli <pierre.zoppitelli@ensimag.fr>
Copyright (C) 2013 UChicago/Argonne, LLC
Copyright (C) 2013 University of Chicago.
Copyright (C) 2013 Vinay Sajip.
Copyright (C) 2013, 2016, D. R. Commander.
Copyright (C) 2013, D. R. Commander.
Copyright (C) 2013, Evgeny Toropov, all
Copyright (C) 2013, International Business Machines
Copyright (C) 2013, International Business Machines Corporation
Copyright (C) 2013, International Business Machines Corporation and
Copyright (C) 2013, International Business Machines Corporation and others.
Copyright (C) 2013, Itseez Inc, all
Copyright (C) 2013, Linaro Limited.
Copyright (C) 2013, MIPS Technologies, Inc., California.
Copyright (C) 2013, NVIDIA Corporation, all
Copyright (C) 2013, OpenCV Foundation, all
Copyright (C) 2013, Ovidiu Parvu, all
Copyright (C) 2013-2014 Gael Guennebaud <gael.guennebaud@inria.fr>
Copyright (C) 2013-2014, International Business Machines
Copyright (C) 2013-2014, International Business Machines Corporation and
Copyright (C) 2013-2014, International Business Machines Corporation and others.
Copyright (C) 2013-2014, MIPS Technologies, Inc., California.
Copyright (C) 2013-2015 Vinay Sajip.



Copyright (C) 2013-2015, International Business Machines
Copyright (C) 2013-2015, International Business Machines Corporation and others.
Copyright (C) 2013-2015, NVIDIA Corporation, all
Copyright (C) 2013-2016 Gael Guennebaud <gael.guennebaud@inria.fr>
Copyright (C) 2013-2016, International Business Machines
Copyright (C) 2013-2016, International Business Machines Corporation and
Copyright (C) 2013-2017 Vinay Sajip.
Copyright (C) 2014, Artem Polyakov <artpol84@gmail.com>
Copyright (C) 2014 Benoit Steiner (benoit.steiner.goog@gmail.com)
Copyright (C) 2014 Benoit Steiner <benoit.steiner.goog@gmail.com>
Copyright (C) 2014 Eric Martin <eric@ericmart.in>
Copyright (C) 2014 Eric Moore
Copyright (C) 2014 Free Software Foundation, Inc.
Copyright (C) 2014 Gael Guennebaud <gael.guennebaud@inria.fr>
Copyright (C) 2014 International Business Machines
Copyright (C) 2014 Jianwei Cui <thucjw@gmail.com>
Copyright (C) 2014 Navdeep Jaitly <ndjaitly@google.com and Benoit Steiner
<benoit.steiner.goog@gmail.com>
Copyright (C) 2014 Navdeep Jaitly <ndjaitly@google.com>
Copyright (C) 2014 Pedro Gonnet (pedro.gonnet@gmail.com)
Copyright (C) 2014 UChicago/Argonne, LLC.
Copyright (C) 2014, 2017, D. R. Commander.
Copyright (C) 2014, 2018, D. R. Commander. All Rights Reserved.
Copyright (C) 2014, Advanced Micro Devices, Inc., all
Copyright (C) 2014, D. R. Commander.
Copyright (C) 2014, D. R. Commander. All Rights Reserved.
Copyright (C) 2014, Intel Corporation, all
Copyright (C) 2014, Intel, Inc., all
Copyright (C) 2014, International Business Machines Corporation and
Copyright (C) 2014, Itseez Inc, all
Copyright (C) 2014, Itseez Inc. See the license at <http://opencv.org>
Copyright (C) 2014, Itseez Inc., all
Copyright (C) 2014, Itseez, Inc, all
Copyright (C) 2014, Itseez, Inc., all
Copyright (C) 2014, Jay Foad. All Rights Reserved.
Copyright (C) 2014, Linaro Limited.
Copyright (C) 2014, MIPS Technologies, Inc., California.
Copyright (C) 2014, NVIDIA Corporation, all
Copyright (C) 2014, Olexa Bilaniuk, Hamid Bazargani & Robert Laganier, all
Copyright (C) 2014, Samson Yilma (samsonyilma@yahoo.com), all
Copyright (C) 2014-2015 Benoit Steiner <benoit.steiner.goog@gmail.com>
Copyright (C) 2014-2015 Gael Guennebaud <gael.guennebaud@inria.fr>



Copyright (C) 2014-2015, 2017, 2019, D. R. Commander.
Copyright (C) 2014-2015, 2018, 2020, D. R. Commander.
Copyright (C) 2014-2015, 2018, D. R. Commander.
Copyright (C) 2014-2015, 2018, D. R. Commander. All Rights Reserved.
Copyright (C) 2014-2015, 2019, D. R. Commander. All Rights Reserved.
Copyright (C) 2014-2015, D. R. Commander.
Copyright (C) 2014-2015, D. R. Commander. All Rights Reserved.
Copyright (C) 2014-2015, International Business Machines Corporation and
Copyright (C) 2014-2015, Itseez Inc., all
Copyright (C) 2014-2015, NVIDIA Corporation, all
Copyright (C) 2014-2016, International Business Machines
Copyright (C) 2014-2016, International Business Machines Corporation and
Copyright (C) 2014-2016, International Business Machines Corporation and others.
Copyright (C) 2014-2016, NVIDIA Corporation, all
Copyright (C) 2014-2017 Gael Guennebaud <gael.guennebaud@inria.fr>
Copyright (C) 2015 Benoit Jacob <benoitjacob@google.com>
Copyright (C) 2015 Benoit Steiner <benoit.steiner.goog@gmail.com>
Copyright (C) 2015 Eugene Brevdo <ebrevdo@gmail.com>
Copyright (C) 2015 Eugene Brevdo <ebrevdo@google.com>
Copyright (C) 2015 Gael Guennebaud <gael.guennebaud@inria.fr>
Copyright (C) 2015 Jianwei Cui <thucjw@gmail.com>
Copyright (C) 2015 Ke Yang <yangke@gmail.com>
Copyright (C) 2015 Mehdi Goli Codeplay Software Ltd.
Copyright (C) 2015 Navdeep Jaitly <ndjaitly@google.com>
Copyright (C) 2015 Tal Hadad <talhd@hotmail.com>
Copyright (C) 2015 Vijay Vasudevan <vrv@google.com>
Copyright (C) 2015, 2017, D. R. Commander.
Copyright (C) 2015, 2017-2018, D. R. Commander.
Copyright (C) 2015, 2018, D. R. Commander.
Copyright (C) 2015, 2018, D. R. Commander. All Rights Reserved.
Copyright (C) 2015, 2018, Matthieu Darbois.
Copyright (C) 2015, 2020, D. R. Commander.
Copyright (C) 2015, 2020, Google, Inc.
Copyright (C) 2015, D. R. Commander.
Copyright (C) 2015, D. R. Commander. All Rights Reserved.
Copyright (C) 2015, Google, Inc.
Copyright (C) 2015, International Business Machines
Copyright (C) 2015, International Business Machines Corporation
Copyright (C) 2015, International Business Machines Corporation and
Copyright (C) 2015, Itseez Inc., all
Copyright (C) 2015, Itseez, Inc., all
Copyright (C) 2015, Matthieu Darbois.



Copyright (C) 2015, NVIDIA Corporation, all
Copyright (C) 2015, OpenCV Foundation, all
Copyright (C) 2015, Pauli Virtanen <pav@iki.fi>
Copyright (C) 2015-2016 Gael Guennebaud <gael.guennebaud@inria.fr>
Copyright (C) 2015-2016, 2018, D. R. Commander.
Copyright (C) 2015-2016, 2018, Matthieu Darbois.
Copyright (C) 2015-2016, D. R. Commander.
Copyright (C) 2015-2016, International Business Machines
Copyright (C) 2015-2016, International Business Machines Corporation and
Copyright (C) 2015-2016, International Business Machines Corporation and others.
Copyright (C) 2015-2016, Itseez Inc., all
Copyright (C) 2015-2016, OpenCV Foundation, all
Copyright (C) 2015-2017, D. R. Commander.
Copyright (C) 2015-2018, D. R. Commander.
Copyright (C) 2015-2020, OpenCV Foundation, all
Copyright (C) 2016 Benoit Steiner (benoit.steiner.goog@gmail.com)
Copyright (C) 2016 Benoit Steiner <benoit.steiner.goog@gmail.com>
Copyright (C) 2016 Dmitry Vyukov <dvyukov@google.com>
Copyright (C) 2016 Eugene Brevdo <ebrevdo@gmail.com>
Copyright (C) 2016 Gael Guennebaud <gael.guennebaud@inria.fr>
Copyright (C) 2016 Igor Babuschkin <igor@babuschkin.in>
Copyright (C) 2016 International Business Machines Corporation
Copyright (C) 2016 Jason R Coombs <jaraco@jaraco.com>
Copyright (C) 2016 Konstantinos Margaritis <markos@freevec.org>
Copyright (C) 2016 Mehdi Goli Codeplay Software Ltd.
Copyright (C) 2016 Mehdi Goli, Codeplay Software Ltd <eigen@codeplay.com>
Copyright (C) 2016 Pedro Gonnet (pedro.gonnet@gmail.com)
Copyright (C) 2016 Rasmus Munk Larsen (rmlarsen@google.com)
Copyright (C) 2016 Rasmus Munk Larsen <rmlarsen@google.com>
Copyright (C) 2016 The Android Open Source Project
Copyright (C) 2016 Tobias Wood <tobias@spincist.org.uk>
Copyright (C) 2016 and later: Unicode, Inc. and others.
Copyright (C) 2016, 2018, Matthieu Darbois.
Copyright (C) 2016, D. R. Commander.
Copyright (C) 2016, Intel Corporation, all
Copyright (C) 2016, International Business Machines
Copyright (C) 2016, Itseez Inc, all
Copyright (C) 2016, Itseez, Inc, all
Copyright (C) 2016, NVIDIA Corporation, all
Copyright (C) 2016, OpenCV Foundation, all
Copyright (C) 2016-2017, Loongson Technology Corporation Limited, BeiJing.
Copyright (C) 2016-2018, Loongson Technology Corporation Limited, BeiJing.



Copyright (C) 2017 Gael Guennebaud <gael.guennebaud@inria.fr>
Copyright (C) 2017 by John Sember
Copyright (C) 2017 by John Sember <john@nachtimwald.com>
Copyright (C) 2017, 2019, D. R. Commander.
Copyright (C) 2017, D. R. Commander.
Copyright (C) 2017, Intel Corporation, all
Copyright (C) 2017-2018, D. R. Commander.
Copyright (C) 2017-2019, Intel Corporation, all
Copyright (C) 2018 Mellanox Technologies, Ltd.
Copyright (C) 2018 - 2020 Intel Corporation
Copyright (C) 2018 Intel Corporation
Copyright (C) 2018 Ya-Chiu Wu, all
Copyright (C) 2018 and later: Unicode, Inc. and others.
Copyright (C) 2018 by John Sember <john@nachtimwald.com>
Copyright (C) 2018, D. R. Commander.
Copyright (C) 2018, D. R. Commander. All Rights Reserved.
Copyright (C) 2018, Hisilicon Technologies Co., Ltd. All Rights Reserved.
Copyright (C) 2018, Intel Corporation, all
Copyright (C) 2018, Matthieu Darbois.
Copyright (C) 2018-2019 Intel Corporation
Copyright (C) 2018-2019, Intel Corporation, all
Copyright (C) 2018-2020 Intel Corporation
Copyright (C) 2019 Czech Technical University.
Copyright (C) 2019 Intel Corporation
Copyright (C) 2019 Manolis Lourakis (lourakis at ics forth gr)
Copyright (C) 2019 Max-Planck-Society
Copyright (C) 2019 Peter Bell
Copyright (C) 2019, Arm Limited.
Copyright (C) 2019, D. R. Commander. All Rights Reserved.
Copyright (C) 2019, Google LLC.
Copyright (C) 2019-2020 Intel Corporation
Copyright (C) 2019-2020, Intel Corporation, all
Copyright (C) 2019-2020, Shenzhen Institute of Artificial Intelligence and Robotics for Society, all
Copyright (C) 2019-2020, Xperience AI, all
Copyright (C) 2020 Free Software Foundation, Inc.
Copyright (C) 2020 Intel Corporation
Copyright (C) 2020 and later: Unicode, Inc. and others.
Copyright (C) 2020, D. R. Commander.
Copyright (C) 2020, Huawei Technologies Co., Ltd.
Copyright (C) 2020, Institute of Software, Chinese Academy of Sciences.
Copyright (C) 2020, Intel Corporation, all
Copyright (C) 2020, Stefan Brüns <stefan.bruens@rwth-aachen.de>



Copyright (C) Damian Eads, 2007-2008. New BSD License.
Copyright (C) EDF R&D, lun sep 30 14:23:15 CEST 2002
Copyright (C) EDF R&D, lun sep 30 14:23:16 CEST 2002
Copyright (C) EDF R&D, lun sep 30 14:23:17 CEST 2002
Copyright (C) EDF R&D, lun sep 30 14:23:18 CEST 2002
Copyright (C) EDF R&D, lun sep 30 14:23:19 CEST 2002
Copyright (C) EDF R&D, lun sep 30 14:23:20 CEST 2002
Copyright (C) EDF R&D, lun sep 30 14:23:23 CEST 2002
Copyright (C) EDF R&D, lun sep 30 14:23:24 CEST 2002
Copyright (C) EDF R&D, lun sep 30 14:23:27 CEST 2002
Copyright (C) EDF R&D, lun sep 30 14:23:28 CEST 2002
Copyright (C) EDF R&D, lun sep 30 14:23:30 CEST 2002
Copyright (C) EDF R&D, lun sep 30 14:23:31 CEST 2002
Copyright (C) EDF R&D, mar déc 3 18:59:35 CET 2002
Copyright (C) EDF R&D, mar déc 3 18:59:36 CET 2002
Copyright (C) EDF R&D, mar déc 3 18:59:37 CET 2002
Copyright (C) Mellanox Technologies Ltd. 2001-2011. ALL RIGHTS RESERVED.
Copyright (C) Mellanox Technologies Ltd. 2001-2015. ALL RIGHTS RESERVED.
Copyright (C) Mellanox Technologies Ltd. 2001-2017. ALL RIGHTS RESERVED.
Copyright (C) Microsoft Corporation.
Copyright (C) Piers Lawrence.
Copyright (C) The Internet Society (2002). All Rights Reserved.
Copyright (C) YEAR ORGANIZATION FIRST AUTHOR <EMAIL@ADDRESS>, YEAR.
Copyright (C) {1999-2001}, International Business Machines Corporation and others. All Rights Reserved.
Copyright (C)2009-2014, 2016-2019 D. R. Commander. All Rights Reserved.
Copyright (C)2009-2014, 2017-2019 D. R. Commander. All Rights Reserved.
Copyright (C)2009-2015, 2017 D. R. Commander. All Rights Reserved.
Copyright (C)2009-2019 D. R. Commander. All Rights Reserved.
Copyright (C)2009-2019 D. R. Commander. All Rights Reserved.
Copyright (C)2015 Viktor Szathmáry. All Rights Reserved.
Copyright (C)2009-2020 D. R. Commander. All Rights Reserved.
Copyright (C)2011 D. R. Commander. All Rights Reserved.
Copyright (C)2011, 2013 D. R. Commander. All Rights Reserved.
Copyright (C)2011, 2013, 2018 D. R. Commander. All Rights Reserved.
Copyright (C)2011, 2013-2015 D. R. Commander. All Rights Reserved.
Copyright (C)2011, 2018 D. R. Commander. All Rights Reserved.
Copyright (C)2011, 2019 D. R. Commander. All Rights Reserved.
Copyright (C)2011-2012, 2014-2015, 2017, 2019 D. R. Commander.
Copyright (C)2011-2012, 2014-2015, 2017-2018 D. R. Commander.
Copyright (C)2011-2013, 2017-2018 D. R. Commander. All Rights Reserved.
Copyright (C)2011-2015, 2018 D. R. Commander. All Rights Reserved.
Copyright (C)2011-2018 D. R. Commander. All Rights Reserved.



Copyright (C)2011-2019 D. R. Commander. All Rights Reserved.
Copyright (C)2013, 2016 D. R. Commander. All Rights Reserved.
Copyright (C)2014, 2017 D. R. Commander. All Rights Reserved.
Copyright (C)2015 Viktor Szathmary. All Rights Reserved.
Copyright (C)2016, 2018-2019 D. R. Commander. All Rights Reserved.
Copyright (C)2017-2018 D. R. Commander. All Rights Reserved.
Copyright (C)2018 D. R. Commander. All Rights Reserved.
Copyright (C)2018, D. R. Commander. All Rights Reserved.
Copyright (c) 2010 The Trustees of Indiana University and Indiana
Copyright (c) 2010 The Trustees of Indiana University.
Copyright (c) 2010-2011 Alex Brick <bricka@ccs.neu.edu>.
Copyright (c) 2011 The Trustees of Indiana University.
Copyright (c) 2012 Oak Ridge National Laboratory.
Copyright (c) 1985, 1986 The Regents of the University of California.
Copyright (c) 1987-1994 The Regents of the University of California.
Copyright (c) 1987-2001 The Regents of the University of California.
Copyright (c) 1988-1993 The Regents of the University of California.
Copyright (c) 1988-1996 Sam Leffler
Copyright (c) 1988-1997 Sam Leffler
Copyright (c) 1990-1995, Stichting Mathematisch Centrum.
Copyright (c) 1990-1997 Sam Leffler
Copyright (c) 1990-2000 Info-ZIP.
Copyright (c) 1991 - 1995, Stichting Mathematisch Centrum Amsterdam, The Netherlands.
Copyright (c) 1991 - 1995, Stichting Mathematisch Centrum Amsterdam, The Netherlands.
Copyright (c) 1991, 2000, 2001 by Lucent Technologies.
Copyright (c) 1991-1995 Stichting Mathematisch Centrum, Amsterdam.
Copyright (c) 1991-1995 Stichting Mathematisch Centrum.
Copyright (c) 1991-1996 Silicon Graphics, Inc.
Copyright (c) 1991-1997 Sam Leffler
Copyright (c) 1991-1997 Silicon Graphics, Inc.
Copyright (c) 1991-1999 Unicode, Inc. All Rights reserved.
Copyright (c) 1991-2011 Unicode, Inc.
Copyright (c) 1991-2013 Unicode, Inc.
© 2019 Unicode®, Inc.
Copyright (c) 1991-2014 Unicode, Inc.
Copyright (c) 1992, 1993 The Regents of the University of California.
Copyright (c) 1992-1997 Sam Leffler
Copyright (c) 1992-1997 Silicon Graphics, Inc.
Copyright (c) 1992-2013 The University of Tennessee and The University of Tennessee Research
Foundation.
Copyright (c) 1992-2015 The University of Tennessee and The University of Tennessee Research
Foundation.



Copyright (c) 1993 The Regents of the University of California.
Copyright (c) 1993-1996 Lucent Technologies.
Copyright (c) 1993-2019 C.B. Barber.
Copyright (c) 1993-2019 The Geometry Center.
Copyright (c) 1994 Sun Microsystems, Inc.
Copyright (c) 1994 by Xerox Corporation.
Copyright (c) 1994-1997 Sam Leffler
Copyright (c) 1994-1997 Silicon Graphics, Inc.
Copyright (c) 1994-1998 Sun Microsystems, Inc.
Copyright (c) 1995 Intel Corporation.
Copyright (c) 1995 by Fredrik Lundh
Copyright (c) 1995 by Fredrik Lundh.
Copyright (c) 1995 by International Business Machines, Inc.
Copyright (c) 1995, 1996, 1997 Jim Hugunin, hugunin@mit.edu
Copyright (c) 1995-1996 Guy Eric Schlnat, Group 42, Inc.
Copyright (c) 1995-1996 Sun Microsystems, Inc.
Copyright (c) 1995-1996 by Fredrik Lundh
Copyright (c) 1995-1996 by Fredrik Lundh.
Copyright (c) 1995-1997 Sam Leffler
Copyright (c) 1995-1997 Silicon Graphics, Inc.
Copyright (c) 1995-1997 by Fredrik Lundh
Copyright (c) 1995-1997 by Fredrik Lundh.
Copyright (c) 1995-2000, Corporation for National Research Initiatives.
Copyright (c) 1995-2001 Corporation for National Research Initiatives.
Copyright (c) 1995-2001 Corporation for National Research Initiatives.
Copyright (c) 1995-2001 by Fredrik Lundh
Copyright (c) 1995-2001 by Fredrik Lundh.
Copyright (c) 1995-2001 by Secret Labs AB
Copyright (c) 1995-2002 by Fredrik Lundh.
Copyright (c) 1995-2003 by Fredrik Lundh
Copyright (c) 1995-2003 by Fredrik Lundh.
Copyright (c) 1995-2004 by Fredrik Lundh
Copyright (c) 1995-2004 by Fredrik Lundh.
Copyright (c) 1995-2005 by Fredrik Lundh
Copyright (c) 1995-2006 by Fredrik Lundh
Copyright (c) 1995-2009 by Fredrik Lundh.
Copyright (c) 1995-2019 The PNG Reference Library Authors.
Copyright (c) 1995-96 by Fredrik Lundh.
Copyright (c) 1996 - 2013, Daniel Stenberg, <daniel@haxx.se>.
Copyright (c) 1996 L. Peter Deutsch
Copyright (c) 1996 L. Peter Deutsch and Jean-Loup Gailly
Copyright (c) 1996 Pixar



Copyright (c) 1996 by Fredrik Lundh
Copyright (c) 1996 by Fredrik Lundh.
Copyright (c) 1996 by Internet Software Consortium.
Copyright (c) 1996, David Mazieres <dm@uun.org>
Copyright (c) 1996,1999 by Internet Software Consortium.
Copyright (c) 1996-1997 Andreas Dilger
Copyright (c) 1996-1997 Andreas Dilger.
Copyright (c) 1996-1997 Sam Leffler
Copyright (c) 1996-1997 by Fredrik Lundh
Copyright (c) 1996-1997 by Fredrik Lundh.
Copyright (c) 1996-1999 by Internet Software Consortium.
Copyright (c) 1996-2000 Fredrik Lundh
Copyright (c) 1996-2000 by Fredrik Lundh
Copyright (c) 1996-2003 by Fredrik Lundh
Copyright (c) 1996-2004 by Fredrik Lundh.
Copyright (c) 1996-2006 by Fredrik Lundh
Copyright (c) 1996-2008 Red Hat, Inc and others.
Copyright (c) 1996-2008 Rice University.
Copyright (c) 1996-2012, International Business Machines Corporation and
Copyright (c) 1996-2014, International Business Machines
Copyright (c) 1996-2015, International Business Machines Corporation and
Copyright (c) 1996-2015, International Business Machines Corporation and others.
Copyright (c) 1996-2016, International Business Machines Corporation
Copyright (c) 1996-2016, International Business Machines Corporation and
Copyright (c) 1997 Christian Michelsen Research AS Advanced Computing Fantoftvegen 38, 5036
BERGEN, Norway
Copyright (c) 1997 Greg Ward Larson
Copyright (c) 1997 Silicon Graphics, Inc.
Copyright (c) 1997 by Fredrik Lundh
Copyright (c) 1997 by Fredrik Lundh.
Copyright (c) 1997 by Secret Labs AB.
Copyright (c) 1997-1998 by Fredrik Lundh
Copyright (c) 1997-1998 by Secret Labs AB
Copyright (c) 1997-1999 by Secret Labs AB
Copyright (c) 1997-2000 Thai Open Source Software Center Ltd
Copyright (c) 1997-2000 by Secret Labs AB
Copyright (c) 1997-2001 by Secret Labs AB
Copyright (c) 1997-2001 by Secret Labs AB.
Copyright (c) 1997-2001, International Business Machines Corporation and
Copyright (c) 1997-2002 by Secret Labs AB.
Copyright (c) 1997-2002, International Business Machines Corporation and
Copyright (c) 1997-2002,2008, International Business Machines Corporation and



Copyright (c) 1997-2003 by Fredrik Lundh.
Copyright (c) 1997-2003 by Secret Labs AB
Copyright (c) 1997-2003 by Secret Labs AB.
Copyright (c) 1997-2003, 2007-2009 International Business Machines Corporation and
Copyright (c) 1997-2003, International Business Machines
Copyright (c) 1997-2003, International Business Machines Corporation and
Copyright (c) 1997-2004 by Secret Labs AB
Copyright (c) 1997-2004 by Secret Labs AB.
Copyright (c) 1997-2004, International Business Machines Corporation
Copyright (c) 1997-2004, International Business Machines Corporation and
Copyright (c) 1997-2005 by Fredrik Lundh
Copyright (c) 1997-2005 by Secret Labs AB
Copyright (c) 1997-2005 by Secret Labs AB.
Copyright (c) 1997-2005, International Business Machines Corporation and
Copyright (c) 1997-2006 by Secret Labs AB
Copyright (c) 1997-2006 by Secret Labs AB.
Copyright (c) 1997-2006, International Business Machines Corporation and
Copyright (c) 1997-2007, International Business Machines Corporation and
Copyright (c) 1997-2008, International Business Machines Corporation and
Copyright (c) 1997-2009 by Secret Labs AB
Copyright (c) 1997-2009 by Secret Labs AB.
Copyright (c) 1997-2009, International Business Machines Corporation
Copyright (c) 1997-2009, International Business Machines Corporation and
Copyright (c) 1997-2009,2014, International Business Machines
Copyright (c) 1997-2010, International Business Machines Corporation
Copyright (c) 1997-2010, International Business Machines Corporation and
Copyright (c) 1997-2011, International Business Machines Corporation
Copyright (c) 1997-2011, International Business Machines Corporation and
Copyright (c) 1997-2012, International Business Machines
Copyright (c) 1997-2012, International Business Machines Corporation
Copyright (c) 1997-2012, International Business Machines Corporation and
Copyright (c) 1997-2013 International Business Machines
Copyright (c) 1997-2013 International Business Machines Corporation and
Copyright (c) 1997-2013, International Business Machines
Copyright (c) 1997-2013, International Business Machines Corporation
Copyright (c) 1997-2013, International Business Machines Corporation and
Copyright (c) 1997-2014, International Business Machines Corporation
Copyright (c) 1997-2014, International Business Machines Corporation and others. All Rights Reserved.
Copyright (c) 1997-2014, International Business Machines
© 2017 and later: Unicode, Inc. and others.
Copyright (c) 1997-2015, International Business Machines
Copyright (c) 1997-2015, International Business Machines Corporation



Copyright (c) 1997-2015, International Business Machines Corporation and
Copyright (c) 1997-2016 International Business Machines Corporation and
Copyright (c) 1997-2016, International Business Machines
Copyright (c) 1997-2016, International Business Machines Corporation
Copyright (c) 1997-2016, International Business Machines Corporation and
Copyright (c) 1997-98 by Secret Labs AB.
Copyright (c) 1997-99 by Secret Labs AB.
Copyright (c) 1998 The Open Group
Copyright (c) 1998 Todd C. Miller <Todd.Miller@courtesan.com>
Copyright (c) 1998 by Secret Labs AB
Copyright (c) 1998 by Toby J Sergeant
Copyright (c) 1998, 1999, 2000 Thai Open Source Software Center Ltd and Clark Cooper
Copyright (c) 1998-2000 Ajuba Solutions.
Copyright (c) 1998-2000 Secret Labs AB
Copyright (c) 1998-2000 Thai Open Source Software Center Ltd and Clark Cooper
Copyright (c) 1998-2000 by Scriptics Corporation.
Copyright (c) 1998-2001 by Secret Labs AB.
Copyright (c) 1998-2002,2004,2006-2013 Glenn Randers-Pehrson
Copyright (c) 1998-2002,2004,2006-2013,2018 Glenn Randers-Pehrson
Copyright (c) 1998-2002,2004,2006-2014,2016 Glenn Randers-Pehrson
Copyright (c) 1998-2002,2004,2006-2014,2016,2018 Glenn Randers-Pehrson
Copyright (c) 1998-2002,2004,2006-2016,2018 Glenn Randers-Pehrson
Copyright (c) 1998-2002,2004,2006-2017 Glenn Randers-Pehrson
Copyright (c) 1998-2002,2004,2006-2018 Glenn Randers-Pehrson
Copyright (c) 1998-2003 by Fredrik Lundh
Copyright (c) 1998-2003 by Secret Labs AB.
Copyright (c) 1998-2003 by the University of Florida.
Copyright (c) 1998-2004 by Secret Labs AB.
Copyright (c) 1998-2005 Forschungszentrum Juelich, Juelich Supercomputing
Copyright (c) 1998-2005 Forschungszentrum Juelich, Juelich Supercomputing Centre, Federal Republic
of Germany
Copyright (c) 1998-2005 by Secret Labs AB
Copyright (c) 1998-2005, International Business Machines Corporation and
Copyright (c) 1998-2007 by Secret Labs AB
Copyright (c) 1998-2008 The OpenSSL Project.
Copyright (c) 1998-2014, International Business Machines Corporation and
Copyright (c) 1998-2016, International Business Machines Corporation and
Copyright (c) 1998-2018 Glenn Randers-Pehrson
Copyright (c) 1999 Scriptics Corporation.
Copyright (c) 1999 Toby Dickenson
Copyright (c) 1999 by Fredrik Lundh
Copyright (c) 1999 by Fredrik Lundh.



Copyright (c) 1999 by Secret Labs AB
Copyright (c) 1999 by Secret Labs AB.
Copyright (c) 1999, 2007, Google Inc.
Copyright (c) 1999, Google Inc.
Copyright (c) 1999-2000 Ajuba Solutions.
Copyright (c) 1999-2000 Image Power, Inc.
Copyright (c) 1999-2000 Image Power, Inc. and the University of British Columbia.
Copyright (c) 1999-2000 The University of British Columbia
Copyright (c) 1999-2000 by Secret Labs AB
Copyright (c) 1999-2000, Image Power, Inc. and the University of British Columbia.
Copyright (c) 1999-2000, Marc-Andre Lemburg; <mailto:mal@lemburg.com>
Copyright (c) 1999-2002 by Fredrik Lundh
Copyright (c) 1999-2002 by Fredrik Lundh.
Copyright (c) 1999-2002 by Secret Labs AB 2002-11-09 fl
Copyright (c) 1999-2002 by Secret Labs AB.
Copyright (c) 1999-2002, International Business Machines Corporation and
Copyright (c) 1999-2003 Steve Purcell
Copyright (c) 1999-2003, International Business Machines Corporation and
Copyright (c) 1999-2004, International Business Machines
Copyright (c) 1999-2005 by Secret Labs AB
Copyright (c) 1999-2007, International Business Machines Corporation and
Copyright (c) 1999-2008 by Fredrik Lundh
Copyright (c) 1999-2008 by Fredrik Lundh.
Copyright (c) 1999-2009 KEIL, 2009-2016 ARM Germany GmbH.
Copyright (c) 1999-2009 KEIL, 2009-2017 ARM Germany GmbH.
Copyright (c) 1999-2009 KEIL, 2009-2018 ARM Germany GmbH.
Copyright (c) 1999-2009 KEIL, 2009-2019 ARM Germany GmbH.
Copyright (c) 1999-2009 by Fredrik Lundh
Copyright (c) 1999-2009 by Fredrik Lundh.
Copyright (c) 1999-2009 by Secret Labs AB.
Copyright (c) 1999-2009, International Business Machines Corporation and
Copyright (c) 1999-2010, International Business Machines Corporation and
Copyright (c) 1999-2012, International Business Machines Corporation and
Copyright (c) 1999-2013, International Business Machines Corporation and
Copyright (c) 1999-2014 International Business Machines
Copyright (c) 1999-2014, International Business Machines Corporation and
Copyright (c) 1999-2015, International Business Machines Corporation and
Copyright (c) 1999-2016 International Business Machines Corporation and
Copyright (c) 1999-2016, International Business Machines
Copyright (c) 1999-2016, International Business Machines Corporation and
Copyright (c) 2000 - 2007, Google Inc.
Copyright (c) 2000 BeOpen.com.



Copyright (c) 2000 BeOpen.com.\n\
Copyright (c) 2000 Doug White, 2006 James Knight, 2007 Christian Heimes
Copyright (c) 2000 Dug Song <dugsong@monkey.org>
Copyright (c) 2000 IBM, Inc. and Others.
Copyright (c) 2000, BeOpen.com.
Copyright (c) 2000-2002, 2004, 2006-2018 Glenn Randers-Pehrson.
Copyright (c) 2000-2003 Chih-Chung Chang and Chih-Jen Lin
Copyright (c) 2000-2003 by Fredrik Lundh
Copyright (c) 2000-2004 IBM, Inc. and Others.
Copyright (c) 2000-2005, International Business Machines
Copyright (c) 2000-2007 Niels Provos <provos@citi.umich.edu>
Copyright (c) 2000-2007, International Business Machines
© 2019 and later: Unicode, Inc. and others.
Copyright (c) 2000-2010, eGenix.com Software GmbH; mailto:info@egenix.com
Copyright (c) 2000-2013 The University of California Berkeley.
Copyright (c) 2000-2015 The University of California Berkeley.
Copyright (c) 2000-2016, International Business Machines Corporation
Copyright (c) 2000-2016, International Business Machines Corporation
Copyright (c) 2000-2017 Expat development team Licensed under the MIT license:
Copyright (c) 2001 John Beniton
Copyright (c) 2001 ActiveState Corporation.
Copyright (c) 2001 Fabrice Bellard
Copyright (c) 2001 Intel Corporation.
Copyright (c) 2001, 2002 Enthought, Inc.
Copyright (c) 2001, 2002, 2003, 2004, 2005, 2006 Python Software Foundation.
Copyright (c) 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014
Python Software Foundation
Copyright (c) 2001, International Business Machines Corporation
Copyright (c) 2001-2002 David Graveriaux.
Copyright (c) 2001-2002 Enthought, Inc. 2003-2019, SciPy Developers.
Copyright (c) 2001-2002 Michael David Adams.
Copyright (c) 2001-2002 by Fredrik Lundh
Copyright (c) 2001-2002 by Secret Labs AB
Copyright (c) 2001-2003 David Graveriaux.
Copyright (c) 2001-2003 International Business Machines
Copyright (c) 2001-2003 Michael David Adams
Copyright (c) 2001-2003 Michael David Adams.
Copyright (c) 2001-2003, David Janssens
Copyright (c) 2001-2004 Idiap Research Institute (Ronan Collobert, Samy Bengio, Johnny Mariethoz)
Copyright (c) 2001-2004 Michael David Adams.
Copyright (c) 2001-2004 by Fredrik Lundh
Copyright (c) 2001-2004 by Secret Labs AB



Copyright (c) 2001-2005, International Business Machines
Copyright (c) 2001-2005, International Business Machines Corporation
Copyright (c) 2001-2006 Gregory P. Ward.
Copyright (c) 2001-2006 Michael David Adams
Copyright (c) 2001-2006 Twisted Matrix Laboratories.
Copyright (c) 2001-2007, International Business Machines
Copyright (c) 2001-2008, International Business Machines Corporation and others
Copyright (c) 2001-2009, International Business Machines
Copyright (c) 2001-2010 IBM Corporation and others. All Rights Reserved.
Copyright (c) 2001-2010 International Business Machines
Copyright (c) 2001-2010, International Business Machines Corporation and
Copyright (c) 2001-2011 - Scilab Enterprises Updated by Allan Cornet, Sylvestre Ledru.
Copyright (c) 2001-2011, International Business Machines
Copyright (c) 2001-2011,2015 International Business Machines
Copyright (c) 2001-2012 Python Software Foundation. All Rights Reserved.
Copyright (c) 2001-2012, International Business Machines
Copyright (c) 2001-2012, International Business Machines Corporation
Copyright (c) 2001-2014 Python Software Foundation; All Rights Reserved
Copyright (c) 2001-2014, International Business Machines
Copyright (c) 2001-2015 International Business Machines
Copyright (c) 2001-2015, International Business Machines
Copyright (c) 2001-2016 International Business Machines
Copyright (c) 2001-2016, International Business Machines
Copyright (c) 2001-2016, International Business Machines Corporation and
Copyright (c) 2001-2017 Expat maintainers
Copyright (c) 2001-2019 Python Software Foundation.
Copyright (c) 2001-2020 Python Software Foundation.
Copyright (c) 2001-2021 Python Software Foundation.
Copyright (c) 2002 Bo Thorsen 2001-10-21 fl
Copyright (c) 2002 Ranjit Mathew
Copyright (c) 2002 Roger Sayle
Copyright (c) 2002 Christopher Clark
Copyright (c) 2002 Jorge Acereda <jacereda@users.sourceforge.net>
Copyright (c) 2002 MyCompanyName.
Copyright (c) 2002 Peter O'Gorman <ogorman@users.sourceforge.net>
Copyright (c) 2002 Unicode, Inc. All Rights reserved.
Copyright (c) 2002 by David Gravereaux.
Copyright (c) 2002 by Fredrik Lundh
Copyright (c) 2002 by Kevin B. Kenny.
Copyright (c) 2002 by Lucent Technologies.
Copyright (c) 2002 by Secret Labs AB
Copyright (c) 2002, Google Inc.



Copyright (c) 2002, Industrial Light & Magic, a division of Lucas Digital Ltd. LLC
Copyright (c) 2002, International Business Machines Corporation and
Copyright (c) 2002, International Business Machines Corporation and others. All Rights Reserved.
Copyright (c) 2002, MD-Mathematische Dienste GmbH Im Defdahl 5-10
Copyright (c) 2002-2003 Michael David Adams.
Copyright (c) 2002-2003, Yannick Verschuere
Copyright (c) 2002-2003, International Business Machines
Copyright (c) 2002-2004 by Fredrik Lundh
Copyright (c) 2002-2004 by Secret Labs AB
Copyright (c) 2002-2004, International Business Machines
Copyright (c) 2002-2005 ActiveState Corporation.
Copyright (c) 2002-2005, International Business Machines
Copyright (c) 2002-2005, International Business Machines Corporation
Copyright (c) 2002-2005, International Business Machines Corporation and
Copyright (c) 2002-2005, International Business Machines Corporation and others. All Rights Reserved.
Copyright (c) 2002-2005, Jean-Sebastien Roy (js@jeannot.org)
Copyright (c) 2002-2006 Niels Provos <provos@citi.umich.edu>
Copyright (c) 2002-2006 Python Software Foundation.
Copyright (c) 2002-2006, International Business Machines Corporation and
Copyright (c) 2002-2006, International Business Machines
(C) Copyright IBM Corp. 1998-2007 - All Rights Reserved
Copyright (c) 2002-2007 Niels Provos <provos@citi.umich.edu>
Copyright (c) 2002-2007, International Business Machines Corporation
Copyright (c) 2002-2007, International Business Machines Corporation and
Copyright (c) 2002-2008, International Business Machines Corporation and others. All Rights Reserved.
Copyright (c) 2002-2010, International Business Machines Corporation
Copyright (c) 2002-2010, International Business Machines Corporation and
Copyright (c) 2002-2010, International Business Machines Corporation and others. All Rights Reserved.
Copyright (c) 2002-2010, International Business Machines
Copyright (c) 2002-2011, International Business Machines
Copyright (c) 2002-2011, International Business Machines Corporation
Copyright (c) 2002-2011, International Business Machines Corporation and others. All Rights Reserved.
Copyright (c) 2002-2012, Industrial Light & Magic, a division of Lucas Digital Ltd. LLC
Copyright (c) 2002-2012, International Business Machines Corporation
Copyright (c) 2002-2012, International Business Machines Corporation and
Copyright (c) 2002-2014, International Business Machines
Copyright (c) 2002-2014, International Business Machines Corporation
Copyright (c) 2002-2014, International Business Machines Corporation and
Copyright (c) 2002-2014, Professor Benoit Macq
Copyright (c) 2002-2014, Universite catholique de Louvain (UCL), Belgium
Copyright (c) 2002-2014, International Business Machines
Copyright (c) 2002-2015, International Business Machines Corporation and



Copyright (c) 2002-2016 International Business Machines Corporation and
Copyright (c) 2002-2016, International Business Machines
Copyright (c) 2002-2016, International Business Machines Corporation and
Copyright (c) 2002-2016, International Business Machines
Copyright (c) 2002-2018, Industrial Light & Magic, a division of Lucas Digital Ltd. LLC
Copyright (c) 2003 Michael A. Davis <mike@datanerds.net>
Copyright (c) 2003 National Electronics and Computer Technology Center and others
Copyright (c) 2003 Pat Thoyts
Copyright (c) 2003 by Bitstream, Inc. All Rights Reserved. Bitstream Vera is a trademark of Bitstream, Inc.
Copyright (c) 2003 by Fredrik Lundh.
Copyright (c) 2003 by Secret Labs AB
Copyright (c) 2003, Google Inc.
Copyright (c) 2003, Industrial Light & Magic, a division of Lucas Digital Ltd. LLC
Copyright (c) 2003, International Business Machines
Copyright (c) 2003-2004 by Fredrik Lundh.
Copyright (c) 2003-2004, International Business Machines
Copyright (c) 2003-2005 by Fredrik Lundh
Copyright (c) 2003-2005 by Peter Astrand <astrand@lysator.liu.se>
Copyright (c) 2003-2005 by Secret Labs AB
Copyright (c) 2003-2005, International Business Machines Corporation and others. All Rights Reserved.
Copyright (c) 2003-2005, Jean-Sebastien Roy (js@jeannot.org)
Copyright (c) 2003-2007 Niels Provos <provos@citi.umich.edu>
Copyright (c) 2003-2007, Francois-Olivier Devaux
Copyright (c) 2003-2008 Patrick Thoyts
Copyright (c) 2003-2008, International Business Machines
Copyright (c) 2003-2008, International Business Machines Corporation
Copyright (c) 2003-2008, Jouni Malinen <j@w1.fi> and contributors
Copyright (c) 2003-2009 Niels Provos <provos@citi.umich.edu>
Copyright (c) 2003-2009 by Fredrik Lundh.
Copyright (c) 2003-2009, Francois-Olivier Devaux
Copyright (c) 2003-2009, International Business Machines
Copyright (c) 2003-2010 International Business Machines
Copyright (c) 2003-2010, International Business Machines Corporation and others. All Rights Reserved.
Copyright (c) 2003-2011 - Gustavo Niemeyer <gustavo@niemeyer.net>
Copyright (c) 2003-2011, International Business Machines
Copyright (c) 2003-2011, Troy D. Hanson <http://uthash.sourceforge.net>
Copyright (c) 2003-2012 SciPy Developers.
Copyright (c) 2003-2013, International Business Machines
Copyright (c) 2003-2013, International Business Machines Corporation
Copyright (c) 2003-2013, International Business Machines Corporation and
Copyright (c) 2003-2014, Antonin Descampe
Copyright (c) 2003-2014, International Business Machines



Copyright (c) 2003-2015, International Business Machines Corporation and
Copyright (c) 2003-2019 Paul T. McGuire
Copyright (c) 2004 David M. Cooke <cookedm@physics.mcmaster.ca>
Copyright (c) 2004 Free Software Foundation, Inc.
Copyright (c) 2004 Michael David Adams.
Copyright (c) 2004 Python Software Foundation.
Copyright (c) 2004 by Bob Ippolito.
Copyright (c) 2004 by Fredrik Lundh <fredrik@pythonware.com>
Copyright (c) 2004 by Fredrik Lundh.
Copyright (c) 2004 by Health Research Inc. (HRI) RENSSELAER, NY 12144.
Copyright (c) 2004 by Internet Systems Consortium, Inc. ("ISC")
Copyright (c) 2004 by Peter Astrand <astrand@lysator.liu.se>
Copyright (c) 2004 by Secret Labs AB, <http://www.pythonware.com>
Copyright (c) 2004 by Secret Labs AB.
Copyright (c) 2004 by Secret Labs.
Copyright (c) 2004 by William Baxter.
Copyright (c) 2004, 2005 Mark Adler.
Copyright (c) 2004, 2005 Topspin Communications.
Copyright (c) 2004, 2005, 2006 Python Software Foundation.
Copyright (c) 2004, 2006-2010 Michael Roth <mroth@nessie.de>
Copyright (c) 2004, 2011-2012 Intel Corporation.
Copyright (c) 2004, Google Inc.
Copyright (c) 2004, Industrial Light & Magic, a division of Lucas Digital Ltd. LLC
Copyright (c) 2004, International Business Machines
Copyright (c) 2004, International Business Machines Corporation
Copyright (c) 2004, Outercurve Foundation.
Copyright (c) 2004, Pixar Animation Studios
Copyright (c) 2004,2011 International Business Machines
Copyright (c) 2004-2005 High Performance Computing Center Stuttgart, University of Stuttgart.
Copyright (c) 2004-2005 The Regents of the University of California.
Copyright (c) 2004-2005 The Trustees of Indiana University and Indiana
Copyright (c) 2004-2005 The Trustees of Indiana University.
Copyright (c) 2004-2005 The Trustees of the University of Tennessee.
Copyright (c) 2004-2005 The University of Tennessee and The University
Copyright (c) 2004-2005 The University of Tennessee and The University
Copyright (c) 2004-2005 The University of Tennessee and The University
Copyright (c) 2004-2005, Jean-Sebastien Roy (js@jeannot.org)
Copyright (c) 2004-2006 High Performance Computing Center Stuttgart,
Copyright (c) 2004-2006 The Regents of the University of California.
Copyright (c) 2004-2006 The Trustees of Indiana University and Indiana
Copyright (c) 2004-2006 The Trustees of the University of Tennessee.
Copyright (c) 2004-2006 The University of Tennessee and The University



Copyright (c) 2004-2006, International Business Machines
Copyright (c) 2004-2007 High Performance Computing Center Stuttgart,
Copyright (c) 2004-2007 The Regents of the University of California.
Copyright (c) 2004-2007 The Trustees of Indiana University and Indiana
Copyright (c) 2004-2007 The Trustees of Indiana University.
Copyright (c) 2004-2007 The Trustees of the University of Tennessee.
Copyright (c) 2004-2007 The University of Tennessee and The University
Copyright (c) 2004-2008 High Performance Computing Center Stuttgart,
Copyright (c) 2004-2008 The Regents of the University of California.
Copyright (c) 2004-2008 The Trustees of Indiana University and Indiana
Copyright (c) 2004-2008 The Trustees of Indiana University.
Copyright (c) 2004-2008 The Trustees of the University of Tennessee.
Copyright (c) 2004-2008 The University of Tennessee and The University
Copyright (c) 2004-2009 High Performance Computing Center Stuttgart,
Copyright (c) 2004-2009 Michael Roth <mroth@nessie.de>
Copyright (c) 2004-2009 The Trustees of Indiana University and Indiana
Copyright (c) 2004-2009 The Trustees of Indiana University.
Copyright (c) 2004-2009 The University of Tennessee and The University
Copyright (c) 2004-201 The University of Tennessee and The University
Copyright (c) 2004-2010 High Performance Computing Center Stuttgart,
Copyright (c) 2004-2010 High Performance Computing Center Stuttgart, University of Stuttgart.
Copyright (c) 2004-2010 Michael Roth <mroth@nessie.de>
Copyright (c) 2004-2010 The Trustees of Indiana University and Indiana
Copyright (c) 2004-2010 The Trustees of Indiana University and Indiana University Research and
Technology Corporation.
Copyright (c) 2004-2010 The Trustees of Indiana University.
Copyright (c) 2004-2010 The University of Tennessee and The University
Copyright (c) 2004-2010, International Business Machines Corporation and
Copyright (c) 2004-2011 High Performance Computing Center Stuttgart,
Copyright (c) 2004-2011 International Business Machines
Copyright (c) 2004-2011 The Trustees of Indiana University and Indiana
Copyright (c) 2004-2011 The Trustees of Indiana University.
Copyright (c) 2004-2011 The Trustees of the University of Tennessee.
Copyright (c) 2004-2011 The University of Tennessee and The University
Copyright (c) 2004-2011, International Business Machines
Copyright (c) 2004-2011, International Business Machines Corporation and
Copyright (c) 2004-2012 The Trustees of Indiana University.
Copyright (c) 2004-2012 The University of Tennessee and The University
Copyright (c) 2004-2012, Industrial Light & Magic, a division of Lucas Digital Ltd. LLC
Copyright (c) 2004-2013 The Trustees of the University of Tennessee.
Copyright (c) 2004-2013 The University of Tennessee and The University
Copyright (c) 2004-2014 High Performance Computing Center Stuttgart,



Copyright (c) 2004-2014 International Business Machines
Copyright (c) 2004-2014 The Trustees of the University of Tennessee.
Copyright (c) 2004-2014 The University of Tennessee and The University
Copyright (c) 2004-2014, International Business Machines
Copyright (c) 2004-2015 The Trustees of the University of Tennessee.
Copyright (c) 2004-2015 The University of Tennessee and The University
Copyright (c) 2004-2015, International Business Machines
Copyright (c) 2004-2015, International Business Machines Corporation and
Copyright (c) 2004-2016 ARM Germany GmbH.
Copyright (c) 2004-2016 The University of Tennessee and The University
Copyright (c) 2004-2016, International Business Machines
© 2020 and later: Unicode, Inc. and others.
Copyright (c) 2004-2017 High Performance Computing Center Stuttgart,
Copyright (c) 2004-2017 The University of Tennessee and The University
Copyright (c) 2004-2017 The University of Tennessee and The University of Tennessee Research
Foundation.
Copyright (c) 2004-2018 The University of Tennessee and The University
Copyright (c) 2004-2019 The University of Tennessee and The University
Copyright (c) 2004-2020 Holger Krekel and others
Copyright (c) 2005 - 2007, Google Inc.
Copyright (c) 2005 Don Owens
Copyright (c) 2005 PathScale, Inc.
Copyright (c) 2005 by Fredrik Lundh
Copyright (c) 2005, 2006, 2007 Cisco Systems, Inc.
Copyright (c) 2005, Herve Drolon, FreeImage Team
Copyright (c) 2005, Industrial Light & Magic, a division of Lucas Digital Ltd. LLC
Copyright (c) 2005, NumPy Developers
Copyright (c) 2005-2006 ActiveState Software Inc.
Copyright (c) 2005-2006, International Business Machines Corporation and
Copyright (c) 2005-2007 Niels Provos <provos@citi.umich.edu>
Copyright (c) 2005-2007,2010 Apple Inc., Unicode Inc.,and others. All Rights Reserved.
Copyright (c) 2005-2008 ZIH, TU Dresden, Federal Republic of Germany
Copyright (c) 2005-2010 ActiveState Software Inc.
Copyright (c) 2005-2011, NumPy Developers
Copyright (c) 2005-2011, NumPy Developers.
Copyright (c) 2005-2012 Niels Provos and Nick Mathewson
Copyright (c) 2005-2012, Industrial Light & Magic, a division of Lucas Digital Ltd. LLC
Copyright (c) 2005-2013 IBM Corporation and others. All rights reserved
Copyright (c) 2005-2013, International Business Machines Corporation and
Copyright (c) 2005-2014 ARM Germany GmbH.
Copyright (c) 2005-2014 Intel Corporation.
Copyright (c) 2005-2014 Keil Software.



Copyright (c) 2005-2015, Michele Simionato
Copyright (c) 2005-2015, NumPy Developers.
Copyright (c) 2005-2016, International Business Machines Corporation and
Copyright (c) 2005-2017, NumPy Developers.
Copyright (c) 2005-2019, NumPy Developers.
Copyright (c) 2006, Cisco Systems, Inc.
Copyright (c) 2006, High Performance Computing Center Stuttgart,
Copyright (c) 2006, Idiap Research Institute (Samy Bengio)
Copyright (c) 2006, Los Alamos National Security, LLC. All rights
Copyright (c) 2006, QLogic Corporation.
Copyright (c) 2006, Sandia National Laboratories. All rights
Copyright (c) 2006, Sun Microsystems Inc.
Copyright (c) 2006, Sun Microsystems, Inc.
Copyright (c) 2006, The Technical University of Chemnitz. All
Copyright (c) 2006, The Trustees of Indiana University and Indiana
Copyright (c) 2006, University of Houston.
Copyright (c) 2006, Voltaire
Copyright (c) 2006, Voltaire.
Copyright (c) 2006 Alexander Chemeris
Copyright (c) 2006 Cisco Systems, Inc.
Copyright (c) 2006 Maxim Yegorushkin <maxim.yegorushkin@gmail.com>
Copyright (c) 2006 The Technical University of Chemnitz. All
Copyright (c) 2006 The Trustees of Indiana University and Indiana
Copyright (c) 2006 Xiaogang Zhang Use
Copyright (c) 2006 by Fredrik Lundh
Copyright (c) 2006 by Fredrik Lundh.
Copyright (c) 2006 by Pat Thoyts
Copyright (c) 2006 by Secret Labs AB
Copyright (c) 2006 by Secret Labs AB.
Copyright (c) 2006 by Tavmjong Bah. All Rights Reserved.
Copyright (c) 2006, 2007 Montel Laurent, <montel@kde.org>
Copyright (c) 2006, 2008 Edward Rosten
Copyright (c) 2006, Google Inc.
Copyright (c) 2006, Industrial Light & Magic, a division of Lucas Digital Ltd. LLC
Copyright (c) 2006, Montel Laurent, <montel@kde.org>
Copyright (c) 2006, Systems Optimization Laboratory
Copyright (c) 2006, Timothy A. Davis.
Copyright (c) 2006, University of Georgia and Pierre G.F. Gerard-Marchant
Copyright (c) 2006,2007 CodeSourcery Inc
Copyright (c) 2006-2007 Cisco Systems, Inc.
Copyright (c) 2006-2007 Los Alamos National Security, LLC. All rights
Copyright (c) 2006-2007 Mellanox Technologies.



Copyright (c) 2006-2007 Niels Provos <provos@citi.umich.edu>
Copyright (c) 2006-2007 Sun Microsystems, Inc.
Copyright (c) 2006-2007 The Trustees of Indiana University and Indiana
Copyright (c) 2006-2007 University of Houston.
Copyright (c) 2006-2007 Voltaire
Copyright (c) 2006-2007 Voltaire.
Copyright (c) 2006-2007, Parvatha Elangovan
Copyright (c) 2006-2007, Robert Hetland <hetland@tamu.edu>
Copyright (c) 2006-2008 Alexander Chemeris
Copyright (c) 2006-2008 Cisco Systems, Inc.
Copyright (c) 2006-2008 Michael Roth <mroth@nessie.de>
Copyright (c) 2006-2008 Sun Microsystems, Inc.
Copyright (c) 2006-2008 University of Houston.
Copyright (c) 2006-2008, R Oudkerk Licensed to PSF under a Contributor Agreement.
Copyright (c) 2006-2009 Cisco Systems, Inc.
Copyright (c) 2006-2009 Mellanox Technologies, Inc.
Copyright (c) 2006-2009 Mellanox Technologies.
Copyright (c) 2006-2009 Myricom, Inc.
Copyright (c) 2006-2009 Sun Microsystems, Inc.
Copyright (c) 2006-2009 University of Houston.
Copyright (c) 2006-2010 Cisco Systems, Inc.
Copyright (c) 2006-2010 Los Alamos National Security, LLC. All rights
Copyright (c) 2006-2010 NEC Laboratories America (Ronan Collobert, Leon Bottou, Iain Melvin, Jason
Weston)
Copyright (c) 2006-2010 Oracle and/or its affiliates.
Copyright (c) 2006-2010 Oracle and/or its affiliates. All rights reserved
Copyright (c) 2006-2010 QLogic Corporation.
Copyright (c) 2006-2010 Sun Microsystems, Inc.
Copyright (c) 2006-2010 The University of Houston.
Copyright (c) 2006-2010 University of Houston.
Copyright (c) 2006-2010 Voltaire, Inc.
Copyright (c) 2006-2010, Rob Hess <hess@eecs.oregonstate.edu>
Copyright (c) 2006-2011 Cisco Systems, Inc.
Copyright (c) 2006-2011 Mellanox Technologies.
Copyright (c) 2006-2011 Sandia National Laboratories.
Copyright (c) 2006-2012 ARM Limited.
Copyright (c) 2006-2012 Cisco Systems, Inc.
Copyright (c) 2006-2012 Los Alamos National Security, LLC. All rights
Copyright (c) 2006-2012 Mellanox Technologies.
Copyright (c) 2006-2012 Oracle and/or its affiliates.
Copyright (c) 2006-2012, Industrial Light & Magic, a division of Lucas Digital Ltd. LLC
Copyright (c) 2006-2013 Cisco Systems, Inc.



Copyright (c) 2006-2013 James Graham and other contributors
Copyright (c) 2006-2013 Los Alamos National Security, LLC.
Copyright (c) 2006-2013 Los Alamos National Security, LLC. All rights
Copyright (c) 2006-2013 The University of Colorado Denver.
Copyright (c) 2006-2014 Cisco Systems, Inc.
Copyright (c) 2006-2014 Los Alamos National Security, LLC. All rights
Copyright (c) 2006-2015 Cisco Systems, Inc.
Copyright (c) 2006-2015 International Business Machines Corporation and others.
Copyright (c) 2006-2015 Los Alamos National Security, LLC.
Copyright (c) 2006-2015 Los Alamos National Security, LLC. All rights
Copyright (c) 2006-2015 Mellanox Technologies.
Copyright (c) 2006-2015 The University of Colorado Denver.
Copyright (c) 2006-2016 ARM Limited.
Copyright (c) 2006-2016 Cisco Systems, Inc.
Copyright (c) 2006-2016 Los Alamos National Security, LLC. All rights
Copyright (c) 2006-2017 Cisco Systems, Inc.
Copyright (c) 2006-2017 Cisco Systems, Inc. All rights reserved
Copyright (c) 2006-2017 Los Alamos National Security, LLC.
Copyright (c) 2006-2017 Los Alamos National Security, LLC. All rights
Copyright (c) 2006-2017 Los Alamos National Security, LLC. All rights
Copyright (c) 2006-2017 Sandia National Laboratories.
Copyright (c) 2006-2017 The University of Houston.
Copyright (c) 2006-2017 University of Houston.
Copyright (c) 2006-2018 Cisco Systems, Inc.
Copyright (c) 2006-2018 Cisco Systems, Inc. All rights reserved
Copyright (c) 2006-2019 Cisco Systems, Inc. All rights reserved
Copyright (c) 2007, Cisco Systems, Inc.
Copyright (c) 2007, Evergrid, Inc.
Copyright (c) 2007, High Performance Computing Center Stuttgart,
Copyright (c) 2007, IBM Corp.,
Copyright (c) 2007, Lawrence Livermore National Security, LLC.
Copyright (c) 2007, Lawrence Livermore National Security, LLC. All
Copyright (c) 2007, Los Alamos National Security, LLC.
Copyright (c) 2007, Los Alamos National Security, LLC. All rights
Copyright (c) 2007, Mellanox Technologies, Inc.
Copyright (c) 2007, Mellanox Technologies.
Copyright (c) 2007, Myricom, Inc.
Copyright (c) 2007, Sun Microsystem, Inc.
Copyright (c) 2007, Sun Microsystems, Inc.
Copyright (c) 2007, The Regents of the University of California.
Copyright (c) 2007, The Trustees of Indiana University.
Copyright (c) 2007, Voltaire



Copyright (c) 2007, Voltaire.
Copyright (c) 2007 Nick Galbreath nickg [at] modp [dot] com.
Copyright (c) 2007 - 2018, Daniel Stenberg with many contributors, see AUTHORS file.
Copyright (c) 2007 - Sébastien Fabbro (gentoo patch)
Copyright (c) 2007 MITSUNARI Shigeo
Copyright (c) 2007 Sun Microsystems
Copyright (c) 2007 Sun Microsystems.
Copyright (c) 2007, 2008, Damian Eads
Copyright (c) 2007, 2008, Damian Eads.
Copyright (c) 2007, 2011 David Schultz <das@FreeBSD.ORG>
Copyright (c) 2007, Alexander Neundorf, <neundorf@kde.org>
Copyright (c) 2007, Allen Winter, <winter@kde.org>
Copyright (c) 2007, Apostolos Syropoulos (<asyropoulos@yahoo.com>),
Copyright (c) 2007, Apostolos Syropoulos (<asyropoulos@yahoo.com>), with Reserved Font Name Asana Math.
Copyright (c) 2007, Callum Lerwick <seg@haxxed.com>
Copyright (c) 2007, Damian Eads.
Copyright (c) 2007, Google Inc.
Copyright (c) 2007, Industrial Light & Magic, a division of Lucas Digital Ltd. LLC
Copyright (c) 2007, International Business Machines Corporation and
Copyright (c) 2007, International Business Machines Corporation and others. All Rights Reserved.
Copyright (c) 2007, John Travers <jtravs@gmail.com>
Copyright (c) 2007, Jonathan Ballard <dzonatas@dzonux.net>
Copyright (c) 2007, Miroslav Balda
Copyright (c) 2007, Weta Digital Ltd
Copyright (c) 2007-2008 Chelsio, Inc.
Copyright (c) 2007-2008 Cisco Systems, Inc.
Copyright (c) 2007-2008 Intel Corporation. All Rights Reserved.
Copyright (c) 2007-2008 Mellanox Technologies.
Copyright (c) 2007-2008 Sun Microsystems, Inc.
Copyright (c) 2007-2008 UT-Battelle, LLC
Copyright (c) 2007-2008 UT-Battelle, LLC.
Copyright (c) 2007-2009 Cisco Systems, Inc.
Copyright (c) 2007-2009 IBM Corporation and others. All rights reserved
Copyright (c) 2007-2009 Mellanox Technologies.
Copyright (c) 2007-2009 Scientific Computing and Imaging Institute, University of Utah
Copyright (c) 2007-2009 Sun Microsystems, Inc.
Copyright (c) 2007-2010 Baptiste Lepilleur
Copyright (c) 2007-2010 Cisco Systems, Inc.
Copyright (c) 2007-2010 Oracle and/or its affiliates.
Copyright (c) 2007-2010, International Business Machines
Copyright (c) 2007-2011 Cisco Systems, Inc.



Copyright (c) 2007-2011 Los Alamos National Security, LLC.
Copyright (c) 2007-2011 Oracle and/or its affiliates.
Copyright (c) 2007-2011 University of Houston.
Copyright (c) 2007-2011, International Business Machines
Copyright (c) 2007-2012 Cisco Systems, Inc.
Copyright (c) 2007-2012 Los Alamos National Security, LLC.
Copyright (c) 2007-2012 Los Alamos National Security, LLC. All rights
Copyright (c) 2007-2012 Niels Provos and Nick Mathewson
Copyright (c) 2007-2012 Niels Provos, Nick Mathewson
Copyright (c) 2007-2012 University of Illinois at Urbana-Champaign.
Copyright (c) 2007-2012, International Business Machines
Copyright (c) 2007-2012, International Business Machines Corporation and
Copyright (c) 2007-2013 Cisco Systems, Inc.
Copyright (c) 2007-2013 Los Alamos National Security, LLC.
Copyright (c) 2007-2013 Los Alamos National Security, LLC. All rights
Copyright (c) 2007-2013 Niels Provos and Nick Mathewson
Copyright (c) 2007-2013 The University of Tennessee and The University of
Copyright (c) 2007-2013, International Business Machines Corporation and
Copyright (c) 2007-2014 Cisco Systems, Inc.
Copyright (c) 2007-2014 Los Alamos National Security, LLC. All rights
Copyright (c) 2007-2014, International Business Machines Corporation and
Copyright (c) 2007-2015 Cisco Systems, Inc.
Copyright (c) 2007-2015 International Business Machines
Copyright (c) 2007-2015 Los Alamos National Security, LLC.
Copyright (c) 2007-2015 Los Alamos National Security, LLC. All rights
Copyright (c) 2007-2015 Los Alamos National Security, LLC. All rights
Copyright (c) 2007-2016 Cisco Systems, Inc.
Copyright (c) 2007-2016 Los Alamos National Security, LLC. All rights
Copyright (c) 2007-2016 Los Alamos National Security, LLC. All rights
Copyright (c) 2007-2016, International Business Machines Corporation and
Copyright (c) 2007-2017 Cisco Systems, Inc.
Copyright (c) 2007-2017 Cisco Systems, Inc. All rights reserved
Copyright (c) 2007-2017 IBM Corporation.
Copyright (c) 2007-2017 Los Alamos National Security, LLC. All rights
Copyright (c) 2007-2017 Mellanox Technologies.
Copyright (c) 2007-2017 UT-Battelle, LLC.
Copyright (c) 2007-2018 Cisco Systems, Inc. All rights reserved
Copyright (c) 2007-2018 Los Alamos National Security, LLC. All rights
Copyright (c) 2007-2019 IBM Corporation.
Copyright (c) 2007-2019 Mellanox Technologies.
Copyright (c) 2008, Chelsio, Inc.
Copyright (c) 2008, Cisco Systems, Inc.



Copyright (c) 2008, IBM Corporation.
Copyright (c) 2008, Institut National de Recherche en Informatique
Copyright (c) 2008, Mellanox Technologies.
Copyright (c) 2008, Sun Microsystems, Inc.
Copyright (c) 2008, The Trustees of Indiana University and Indiana
Copyright (c) 2008, The University of Tennessee and The University
Copyright (c) 2008, UT-Battelle, LLC
Copyright (c) 2008, UT-Battelle, LLC.
Copyright (c) 2008, University of Houston, Inc.
Copyright (c) 2008, University of Houston.
Copyright (c) 2008, Voltaire. All rights reserved
Copyright (c) 2008 - 2009 NVIDIA Corporation.
Copyright (c) 2008 - 2012 The Khronos Group Inc.
Copyright (c) 2008 Benjamin Kosnik <bkoz@redhat.com>
Copyright (c) 2008 Brian M. Clapper <bmc@clapper.org>, Gael Varoquaux Author: Brian M. Clapper, Gael Varoquaux
Copyright (c) 2008 Cisco Systems, Inc.
Copyright (c) 2008 Cisco Systems, Inc. All rights reserved
Copyright (c) 2008 Daniel Amelang <dan@amelang.net>
Copyright (c) 2008 Ian Bicking and Contributors
Copyright (c) 2008 Los Alamos National Security, LLC.
Copyright (c) 2008 Steven G. Johnson <stevenj@alum.mit.edu>
Copyright (c) 2008 The Trustees of Indiana University and Indiana
Copyright (c) 2008 by Christian Heimes <christian@cheimes.de>
Copyright (c) 2008 by Karsten Hiddemann.
Copyright (c) 2008, 2009 Gael Guennebaud, <g.gael@free.fr>
Copyright (c) 2008, 2009, 2011 by Attractive Chaos <attractor@live.co.uk>
Copyright (c) 2008, 2011-2012, Centre National d'Etudes Spatiales (CNES), FR
Copyright (c) 2008, Damien Miller <djm@openbsd.org>
Copyright (c) 2008, Google Inc.
Copyright (c) 2008, Industrial Light & Magic, a division of Lucas Digital Ltd. LLC
Copyright (c) 2008, Jerome Fimes, Communications & Systemes <jerome.fimes@c-s.fr>
Copyright (c) 2008-2009 Cisco Systems, Inc.
Copyright (c) 2008-2009 Institut National de Recherche en
Copyright (c) 2008-2009 Institut National de Recherche en Informatique.
Copyright (c) 2008-2009 Mellanox Technologies.
Copyright (c) 2008-2009 Oak Ridge National Labs.
Copyright (c) 2008-2009 Sun Microsystems, Inc.
Copyright (c) 2008-2009 Sun Microsystems, Inc. All rights reserved
Copyright (c) 2008-2009 The Khronos Group Inc.
Copyright (c) 2008-2009 University of Houston.
Copyright (c) 2008-2009 Yuta Mori All Rights Reserved.



Copyright (c) 2008-2009, Google Inc.
Copyright (c) 2008-2010 Cisco Systems, Inc.
Copyright (c) 2008-2010 Oak Ridge National Labs.
Copyright (c) 2008-2010 Oracle and/or its affiliates. All rights reserved
Copyright (c) 2008-2010 The Khronos Group Inc.
Copyright (c) 2008-2010, International Business Machines Corporation and
Copyright (c) 2008-2011 AQR Capital Management, LLC
Copyright (c) 2008-2011 Cisco Systems, Inc.
Copyright (c) 2008-2011 University of Houston.
Copyright (c) 2008-2011, International Business Machines Corporation and
Copyright (c) 2008-2011, Susumu Yata
Copyright (c) 2008-2011, William Lucas
Copyright (c) 2008-2012 Cisco Systems, Inc.
Copyright (c) 2008-2012 Niels Provos and Nick Mathewson
Copyright (c) 2008-2012 Niels Provos, Nick Mathewson
Copyright (c) 2008-2012 Oracle and/or its affiliates.
Copyright (c) 2008-2012 Stefan Krahn.
Copyright (c) 2008-2012 The Khronos Group Inc.
Copyright (c) 2008-2012, AQR Capital Management, LLC, Lambda Foundry, Inc. and PyData
Development Team
Copyright (c) 2008-2013 University of Houston.
Copyright (c) 2008-2013 Cisco Systems, Inc.
Copyright (c) 2008-2013 International Business Machines
Copyright (c) 2008-2013 Los Alamos National Security, LLC.
Copyright (c) 2008-2013 The Khronos Group Inc.
Copyright (c) 2008-2013 University of Houston.
Copyright (c) 2008-2014 Cisco Systems, Inc.
Copyright (c) 2008-2014 University of Houston.
Copyright (c) 2008-2014, International Business Machines Corporation and
Copyright (c) 2008-2015 Cisco Systems, Inc.
Copyright (c) 2008-2015 Pavel Holoborodko
Copyright (c) 2008-2015 The Khronos Group Inc.
Copyright (c) 2008-2015 University of Houston.
Copyright (c) 2008-2015, International Business Machines
Copyright (c) 2008-2016 Cisco Systems, Inc.
Copyright (c) 2008-2016 International Business Machines Corporation and
Copyright (c) 2008-2016 Stefan Krahn.
Copyright (c) 2008-2016 The pip developers (see AUTHORS.txt file)
Copyright (c) 2008-2016 University of Houston.
Copyright (c) 2008-2016, International Business Machines Corporation and
Copyright (c) 2008-2017 Cisco Systems, Inc.
Copyright (c) 2008-2017 Cisco Systems, Inc. All rights reserved



Copyright (c) 2008-2017 IBM Corporation.
Copyright (c) 2008-2017 Oak Ridge National Labs.
Copyright (c) 2008-2017 University of Houston.
Copyright (c) 2008-2018 Cisco Systems, Inc. All rights reserved
Copyright (c) 2008-2018 University of Houston.
Copyright (c) 2008-2019 Andrey Petrov and contributors (see CONTRIBUTORS.txt)
Copyright (c) 2008-2019 Cisco Systems, Inc. All rights reserved
Copyright (c) 2008-2019 The pip developers (see AUTHORS.txt file)
Copyright (c) 2008-2019 University of Houston.
Copyright (c) 2008-2020 Stefan Krahn.
Copyright (c) 2008-2020 The Khronos Group Inc.
Copyright (c) 2009, Bull SAS.
Copyright (c) 2009, Cisco Systems, Inc.
Copyright (c) 2009, Cisco Systems, Inc. All Rights Reserved.
Copyright (c) 2009, IBM Corporation.
Copyright (c) 2009, Institut National de Recherche en Informatique
Copyright (c) 2009, Los Alamos National Security, LLC. All rights
Copyright (c) 2009, Oak Ridge National Laboratory
Copyright (c) 2009, Oak Ridge National Labs.
Copyright (c) 2009, Sandia National Laboratories.
Copyright (c) 2009, Sun Microsystems, Inc
Copyright (c) 2009, Sun Microsystems, Inc.
Copyright (c) 2009, Sun Microsystems, Inc.
Copyright (c) 2009, University of Houston.
Copyright (c) 2009, Cisco Systems, Inc.
Copyright (c) 2009 Benoit Jacob <jacob.benoit.1@gmail.com>
Copyright (c) 2009 Boudewijn Rempt <boud@valdyas.org>
Copyright (c) 2009 Cisco Systems, Inc.
Copyright (c) 2009 Frank Warmerdam
Copyright (c) 2009 Fredrik Lundh Updated to LCMS2
Copyright (c) 2009 Google Inc.
Copyright (c) 2009 Sandia National Laboratories.
Copyright (c) 2009 The RE2 Authors.
Copyright (c) 2009 by Dimitri van Heesch.
Copyright (c) 2009 by Fredrik Lundh
Copyright (c) 2009, Google Inc.
Copyright (c) 2009, Industrial Light & Magic, a division of Lucas Digital Ltd. LLC
Copyright (c) 2009, International Business Machines Corporation and
Copyright (c) 2009, Michihiro NAKAJIMA
Copyright (c) 2009, Motorola, Inc
Copyright (c) 2009, Willow Garage, Inc.
Copyright (c) 2009,2010 Dustin J. Mitchell <dustin@zmanda.com>



Copyright (c) 2009,2010 Zmanda Inc. <<http://www.zmanda.com/>>
Copyright (c) 2009-2010 Cisco Systems, Inc.
Copyright (c) 2009-2010 Oracle and/or its affiliates.
Copyright (c) 2009-2010 Oracle and/or its affiliates. All rights reserved
Copyright (c) 2009-2010 The Trustees of Indiana University and Indiana
Copyright (c) 2009-2010 The Trustees of Indiana University.
Copyright (c) 2009-2011 Cisco Systems, Inc.
Copyright (c) 2009-2011 Oracle and/or its affiliates.
Copyright (c) 2009-2011 The Trustees of Indiana University.
Copyright (c) 2009-2011, Google Inc.
Copyright (c) 2009-2012 Cisco Systems, Inc.
Copyright (c) 2009-2012 Mellanox Technologies.
Copyright (c) 2009-2012 Nick Mathewson and Niels Provos
Copyright (c) 2009-2012 Niels Provos and Nick Mathewson
Copyright (c) 2009-2012 Niels Provos, Nick Mathewson
Copyright (c) 2009-2012 Oak Ridge National Laboratory.
Copyright (c) 2009-2012 Oracle and/or its affiliates.
Copyright (c) 2009-2013 ARM Limited.
Copyright (c) 2009-2013 Cisco Systems, Inc.
Copyright (c) 2009-2013 The University of Tennessee and The University
Copyright (c) 2009-2014 Cisco Systems, Inc.
Copyright (c) 2009-2014 DreamWorks Animation LLC.
Copyright (c) 2009-2014 The University of Tennessee and The University
Copyright (c) 2009-2015 Bull SAS.
Copyright (c) 2009-2015 Cisco Systems, Inc.
Copyright (c) 2009-2015 by llvm/compiler-rt contributors
Copyright (c) 2009-2015 by the contributors listed in CREDITS.TXT
Copyright (c) 2009-2016 ARM Limited.
Copyright (c) 2009-2016 Cisco Systems, Inc.
Copyright (c) 2009-2016, International Business Machines Corporation and
Copyright (c) 2009-2017 ARM Limited.
Copyright (c) 2009-2017 Cisco Systems, Inc.
Copyright (c) 2009-2017 Cisco Systems, Inc. All rights reserved
Copyright (c) 2009-2017 The University of Tennessee and The University
Copyright (c) 2009-2018 ARM Limited.
Copyright (c) 2009-2018 Cisco Systems, Inc.
Copyright (c) 2009-2018 The MathJax Consortium
Copyright (c) 2009-2019 ARM Limited.
Copyright (c) 2009-2019 by the contributors listed in CREDITS.TXT
Copyright (c) 2009-2019: Jeff Bezanson, Stefan Karpinski, Viral B. Shah, and other contributors
Copyright (c) 2009-2020 ARM Limited.
Copyright (c) 201-2013 Los Alamos National Security, LLC. All rights



Copyright (c) 201-2014 Cisco Systems, Inc.
Copyright (c) 2010, ARM Ltd.
Copyright (c) 2010, Cisco Systems, Inc.
Copyright (c) 2010, High Performance Computing Center Stuttgart,
Copyright (c) 2010, IBM Corporation.
Copyright (c) 2010, Los Alamos National Security, LLC.
Copyright (c) 2010, Oak Ridge National Laboratory.
Copyright (c) 2010, Oak Ridge National Labs.
Copyright (c) 2010, Oracle and/or its affiliates.
Copyright (c) 2010, Oracle and/or its affiliates. All rights
Copyright (c) 2010, Oracle and/or its affiliates. All rights reserved
Copyright (c) 2010, Sandia National Laboratories.
Copyright (c) 2010, The University of Tennessee and The University
Copyright (c) 2010, University of Houston.
Copyright (c) 2010 Cowboy" ben Alman.
Copyright (c) 2010 - Jordi Gutiérrez Hermoso (Octave patch)
Copyright (c) 2010 ARM Limited.
Copyright (c) 2010 ActiveState Software Inc.
Copyright (c) 2010 BitTorrent, Inc.
Copyright (c) 2010 Chris Davis, Niels Provos, and Nick Mathewson
Copyright (c) 2010 Daisuke Okanohara All Rights Reserved.
Copyright (c) 2010 Jitse Niesen, <jitse@maths.leeds.ac.uk>
Copyright (c) 2010 Jonathan Hartley
Copyright (c) 2010 Oliver Tonnhofer <olt@bogosoftware.com>, Omniscale
Copyright (c) 2010 Oracle and/or its affiliates.
Copyright (c) 2010 Python Software Foundation. All Rights Reserved.
Copyright (c) 2010 Thomas P. Robitaille
Copyright (c) 2010 by Armin Ronacher.
Copyright (c) 2010 by Mark Wiebe (mwwiebe@gmail.com)
Copyright (c) 2010, Albert Sweigart
Copyright (c) 2010, Andrey Kiselev <dron@ak4719.spb.edu>
Copyright (c) 2010, Google Inc.
Copyright (c) 2010, Intel Corp.
Copyright (c) 2010, The WebM Project authors.
Copyright (c) 2010, International Business Machines
Copyright (c) 2010-2011 Oak Ridge National Labs.
Copyright (c) 2010-2011 Alex Brick <bricka@ccs.neu.edu>.
Copyright (c) 2010-2011 Cisco Systems, Inc.
Copyright (c) 2010-2011 IBM Corporation.
Copyright (c) 2010-2011 Los Alamos National Security, LLC.
Copyright (c) 2010-2011 Oak Ridge National Labs.
Copyright (c) 2010-2011 Oracle and/or its affiliates.



Copyright (c) 2010-2011 Oracle and/or its affiliates. All rights reserved
Copyright (c) 2010-2011 by Mark Wiebe (mwwiebe@gmail.com)
Copyright (c) 2010-2011, A.V. Rzhhanov Institute of Semiconductor Physics SB RAS.
Copyright (c) 2010-2011, Ethan Rublee
Copyright (c) 2010-2011, Kaori Hagihara
Copyright (c) 2010-2011, Siberian State University of Telecommunications
Copyright (c) 2010-2012 ARM Limited.
Copyright (c) 2010-2012 Archipel Asset Management AB.
Copyright (c) 2010-2012 Cisco Systems, Inc.
Copyright (c) 2010-2012 IBM Corporation.
Copyright (c) 2010-2012 Los Alamos National Security, LLC.
Copyright (c) 2010-2012 Niels Provos and Nick Mathewson
Copyright (c) 2010-2012 Oak Ridge National Labs.
Copyright (c) 2010-2012 Oracle and/or its affiliates.
Copyright (c) 2010-2012 Sandia National Laboratories.
Copyright (c) 2010-2012, International Business Machines Corporation and
Copyright (c) 2010-2013 ARM Limited.
Copyright (c) 2010-2013 Cisco Systems, Inc.
Copyright (c) 2010-2013 Los Alamos National Security, LLC.
Copyright (c) 2010-2013 The University of Tennessee and The University
Copyright (c) 2010-2014 Cisco Systems, Inc.
Copyright (c) 2010-2014 Los Alamos National Security, LLC.
Copyright (c) 2010-2014 Los Alamos National Security, LLC. All rights
Copyright (c) 2010-2015 Cisco Systems, Inc.
Copyright (c) 2010-2015 International Business Machines Corporation and others.
Copyright (c) 2010-2015 Los Alamos National Security, LLC.
Copyright (c) 2010-2015 Los Alamos National Security, LLC. All rights
Copyright (c) 2010-2015 Sandia National Laboratories.
Copyright (c) 2010-2016 Cisco Systems, Inc.
Copyright (c) 2010-2016 IBM Corporation.
Copyright (c) 2010-2016 Los Alamos National Security, LLC.
Copyright (c) 2010-2016 Los Alamos National Security, LLC. All rights
Copyright (c) 2010-2016, International Business Machines Corporation
Copyright (c) 2010-2016, International Business Machines Corporation and
Copyright (c) 2010-2016, International Business Machines
Copyright (c) 2010-2017 Cisco Systems, Inc. All rights reserved
Copyright (c) 2010-2017 IBM Corporation.
Copyright (c) 2010-2017 Los Alamos National Security, LLC.
Copyright (c) 2010-2017 Los Alamos National Security, LLC. All rights
Copyright (c) 2010-2017 Oak Ridge National Labs.
Copyright (c) 2010-2017 The University of Tennessee and The University
Copyright (c) 2010-2018 ARM Limited.



Copyright (c) 2010-2018 Cisco Systems, Inc. All rights reserved
Copyright (c) 2010-2018 Los Alamos National Security, LLC.
Copyright (c) 2010-2018 The MathJax Consortium
Copyright (c) 2010-2019 ARM Limited.
Copyright (c) 2010-2019 Benjamin Peterson
Copyright (c) 2010-2020 ARM Limited.
Copyright (c) 2010-2020 Benjamin Peterson
Copyright (c) 2011, Cisco Systems, Inc.
Copyright (c) 2011, FUJITSU LIMITED.
Copyright (c) 2011, IBM Corporation.
Copyright (c) 2011, Los Alamos National Security, LLC.
Copyright (c) 2011, Los Alamos National Security, LLC. All
Copyright (c) 2011, Los Alamos National Security, LLC. All rights
Copyright (c) 2011, Mellanox Technologies.
Copyright (c) 2011, NVIDIA Corporation.
Copyright (c) 2011, Oak Ridge National Labs.
Copyright (c) 2011, Oracle and/or all its affiliates.
Copyright (c) 2011, Oracle and/or its affiliates.
Copyright (c) 2011, Sandia National Laboratories.
Copyright (c) 2011, The University of Tennessee and The University
Copyright (c) 2011, UT-Battelle, LLC.
Copyright (c) 2011, University of Houston.
Copyright (c) 2011 ARM Limited.
Copyright (c) 2011 Cisco Systems, Inc.
Copyright (c) 2011 Daniel Richard G. <skunk@iSKUNK.ORG>
Copyright (c) 2011 Daniel Stenberg <daniel@haxx.se>
Copyright (c) 2011 Enthought, Inc
Copyright (c) 2011 Mellanox Technologies.
Copyright (c) 2011 by Enthought, Inc.
Copyright (c) 2011 by Mark Wiebe (mwwiebe@gmail.com)
Copyright (c) 2011, Industrial Light & Magic, a division of Lucas Digital Ltd. LLC
Copyright (c) 2011, Intel Corporation
Copyright (c) 2011, Intel Corporation.
Copyright (c) 2011-2012 Cisco Systems, Inc.
Copyright (c) 2011-2012 FUJITSU LIMITED.
Copyright (c) 2011-2012 IBM Corporation.
Copyright (c) 2011-2012 Los Alamos National Security, LLC.
Copyright (c) 2011-2012 Los Alamos National Security, LLC. All rights
Copyright (c) 2011-2012 Los Alamos National Security, LLC. All rights
Copyright (c) 2011-2012 NEC Laboratories America (Koray Kavukcuoglu)
Copyright (c) 2011-2012 NVIDIA Corporation.
Copyright (c) 2011-2012 Sandia National Laboratories.



Copyright (c) 2011-2012 Universite Bordeaux 1
Copyright (c) 2011-2012 University of Houston.
Copyright (c) 2011-2012, Centre National d'Etudes Spatiales (CNES), France
Copyright (c) 2011-2012, Industrial Light & Magic, a division of Lucas Digital Ltd. LLC
Copyright (c) 2011-2012, International Business Machines Corporation and
Copyright (c) 2011-2012, Lambda Foundry, Inc.
Copyright (c) 2011-2012, PyData Development Team
Copyright (c) 2011-2012, International Business Machines
Copyright (c) 2011-2013 Cisco Systems, Inc.
Copyright (c) 2011-2013 INRIA.
Copyright (c) 2011-2013 Inria.
Copyright (c) 2011-2013 Los Alamos National Security, LLC.
Copyright (c) 2011-2013 Los Alamos National Security, LLC. All rights
Copyright (c) 2011-2013 Los Alamos National Security, LLC. All
Copyright (c) 2011-2013 Los Alamos National Security, LLC. All rights
Copyright (c) 2011-2013 NYU (Clement Farabet)
Copyright (c) 2011-2013 Sandia National Laboratories.
Copyright (c) 2011-2013 The University of Tennessee and The University
Copyright (c) 2011-2013 UT-Battelle, LLC.
Copyright (c) 2011-2013 Universite Bordeaux 1
Copyright (c) 2011-2013 Université Bordeaux 1
Copyright (c) 2011-2013, ESN Social Software AB and Jonas Tarnstrom
Copyright (c) 2011-2014 Cisco Systems, Inc.
Copyright (c) 2011-2014 Idiap Research Institute (Ronan Collobert)
Copyright (c) 2011-2014 Los Alamos National Security, LLC. All rights
Copyright (c) 2011-2014 Los Alamos National Security, LLC. All rights
Copyright (c) 2011-2014 NVIDIA Corporation.
Copyright (c) 2011-2014, Andrey Kamaev
Copyright (c) 2011-2014, International Business Machines Corporation
Copyright (c) 2011-2015 Bordeaux Polytechnic Institute
Copyright (c) 2011-2015 Cisco Systems, Inc.
Copyright (c) 2011-2015 INRIA.
Copyright (c) 2011-2015 Los Alamos National Security, LLC.
Copyright (c) 2011-2015 Los Alamos National Security, LLC. All rights
Copyright (c) 2011-2015 Los Alamos National Security, LLC. All
Copyright (c) 2011-2015 Los Alamos National Security, LLC. All rights
Copyright (c) 2011-2015 NVIDIA Corporation.
Copyright (c) 2011-2015 NVIDIA.
Copyright (c) 2011-2015 The MathJax Consortium
Copyright (c) 2011-2015 The University of Tennessee and The University
Copyright (c) 2011-2015 Université Bordeaux 1
Copyright (c) 2011-2016 Cisco Systems, Inc.



Copyright (c) 2011-2016 INRIA.
Copyright (c) 2011-2016 Los Alamos National Security, LLC. All rights reserved
Copyright (c) 2011-2016 Los Alamos National Security, LLC. All rights reserved
Copyright (c) 2011-2016 Los Alamos National Security, LLC. All rights reserved
Copyright (c) 2011-2016, International Business Machines Corporation
Copyright (c) 2011-2016, International Business Machines Corporation
Copyright (c) 2011-2017 Cisco Systems, Inc.
Copyright (c) 2011-2017 Cisco Systems, Inc. All rights reserved
Copyright (c) 2011-2017 Fujitsu Limited.
Copyright (c) 2011-2017 IBM Corporation.
Copyright (c) 2011-2017 Los Alamos National Security, LLC.
Copyright (c) 2011-2017 Los Alamos National Security, LLC. All rights reserved
Copyright (c) 2011-2017 Los Alamos National Security, LLC. All rights reserved
Copyright (c) 2011-2017 Los Alamos National Security, LLC. All rights reserved
Copyright (c) 2011-2017 NVIDIA Corporation.
Copyright (c) 2011-2017 Oak Ridge National Labs.
Copyright (c) 2011-2017 Sandia National Laboratories.
Copyright (c) 2011-2017 The University of Tennessee and The University of Tennessee
Copyright (c) 2011-2018 Cisco Systems, Inc.
Copyright (c) 2011-2018 Cisco Systems, Inc. All rights reserved
Copyright (c) 2011-2018 Los Alamos National Security, LLC. All rights reserved
Copyright (c) 2011-2018 Los Alamos National Security, LLC. All rights reserved
Copyright (c) 2011. Philipp Wagner <bytefish[at]gmx[dot]de>.
Copyright (c) 2012, Cisco Systems, Inc.
Copyright (c) 2012, FUJITSU LIMITED.
Copyright (c) 2012, Inria.
Copyright (c) 2012, Los Alamos Nat Security, LLC.
Copyright (c) 2012, Los Alamos National Security, Inc.
Copyright (c) 2012, Los Alamos National Security, LLC
Copyright (c) 2012, Los Alamos National Security, LLC.
Copyright (c) 2012, Los Alamos National Security, LLC. All rights reserved
Copyright (c) 2012, Los Alamos National Security, LLC. All rights reserved
Copyright (c) 2012, NVIDIA Corporation.
Copyright (c) 2012, Oak Ridge National Laboratory.
Copyright (c) 2012, Oak Ridge National Laboratory. All rights reserved
Copyright (c) 2012, Oak Ridge National Labs.
Copyright (c) 2012, Oak Ridge National Laboratory.
Copyright (c) 2012, Oracle and/or its affiliates.
Copyright (c) 2012, Sandia National Laboratories.
Copyright (c) 2012, The University of Tennessee and The University of Tennessee
Copyright (c) 2012, The University of Wisconsin-La Crosse.
Copyright (c) 2012, The University of Wisconsin-La Crosse. All rights reserved



Copyright (c) 2012, UT-Battelle, LLC.
Copyright (c) 2012, University of Oregon.
Copyright (c) 2012 - 2015, Lars Bilke
Copyright (c) 2012 - 2017, Lars Bilke
Copyright (c) 2012 Christian Persch
Copyright (c) 2012 Cisco Systems, Inc.
Copyright (c) 2012 Dan Winship
Copyright (c) 2012 Giorgos Verigakis <verigak@gmail.com>
Copyright (c) 2012 Massachusetts Institute of Technology
Copyright (c) 2012 Niels Provos and Nick Mathewson
Copyright (c) 2012 Paolo Borelli
Copyright (c) 2012 Philip Withnall
Copyright (c) 2012 Ross Lagerwall <rosslagerwall@gmail.com>
Copyright (c) 2012 Stephen Montgomery-Smith <stephen@FreeBSD.ORG>
Copyright (c) 2012 Two Blue Cubes Ltd.
Copyright (c) 2012 Xan Lopez
Copyright (c) 2012 Zack Weinberg <zackw@panix.com>
Copyright (c) 2012 by Brian Crowell
Copyright (c) 2012 by Simon Sapin.
Copyright (c) 2012 mbed.org
Copyright (c) 2012, Autodesk, Inc.
Copyright (c) 2012, CS Systemes d'Information, France
Copyright (c) 2012, Carl Hetherington
Copyright (c) 2012, Erik Edlund <erik.edlund@32767.se>
Copyright (c) 2012, Industrial Light & Magic, a division of Lucas Digital Ltd. LLC
Copyright (c) 2012, Lambda Foundry, Inc.
Copyright (c) 2012, Lambda Foundry, Inc., except where noted
Copyright (c) 2012, Mathieu Malaterre <mathieu.malaterre@gmail.com>
Copyright (c) 2012, PyData Development Team
Copyright (c) 2012, Weta Digital Ltd
Copyright (c) 2012-2011 ARM Limited.
Copyright (c) 2012-2013 Cisco Systems, Inc.
Copyright (c) 2012-2013 Inria.
Copyright (c) 2012-2013 Los Alamos Nat Security, LLC.
Copyright (c) 2012-2013 Los Alamos National Security, Inc.
Copyright (c) 2012-2013 Los Alamos National Security, Inc. All rights
Copyright (c) 2012-2013 Los Alamos National Security, LLC.
Copyright (c) 2012-2013 Los Alamos National Security, LLC. All rights
Copyright (c) 2012-2013 Los Alamos National Security, LLC. All rights
Copyright (c) 2012-2013 NVIDIA Corporation.
Copyright (c) 2012-2013 Sandia National Laboratories.
Copyright (c) 2012-2013 The University of Tennessee and The University



Copyright (c) 2012-2014 - Tomi Pieviläinen <tomi.pievilainen@iki.fi>
Copyright (c) 2012-2014 Cisco Systems, Inc.
Copyright (c) 2012-2014 Deepmind Technologies (Koray Kavukcuoglu)
Copyright (c) 2012-2014 Los Alamos National Security, LLC.
Copyright (c) 2012-2014 Los Alamos National Security, LLC. All rights
Copyright (c) 2012-2014 Los Alamos National Security, LLC. All rights
Copyright (c) 2012-2014 NVIDIA Corporation.
Copyright (c) 2012-2014 The University of Tennessee and The University
Copyright (c) 2012-2014, International Business Machines Corporation and
Copyright (c) 2012-2015 Cisco Systems, Inc.
Copyright (c) 2012-2015 Inria.
Copyright (c) 2012-2015 International Business Machines
© 2020 Unicode®, Inc.
Copyright (c) 2012-2015 Los Alamos National Security, Inc.
Copyright (c) 2012-2015 Los Alamos National Security, Inc. All rights
Copyright (c) 2012-2015 Los Alamos National Security, LLC.
Copyright (c) 2012-2015 Los Alamos National Security, LLC. All rights
Copyright (c) 2012-2015 Los Alamos National Security, LLC. All rights
Copyright (c) 2012-2015 Mellanox Technologies, Inc.
Copyright (c) 2012-2015 NVIDIA Corporation.
Copyright (c) 2012-2015 Sandia National Laboratories.
Copyright (c) 2012-2016 Cisco Systems, Inc.
Copyright (c) 2012-2016 Los Alamos National Security, LLC.
Copyright (c) 2012-2016 Los Alamos National Security, LLC. All rights
Copyright (c) 2012-2016 Los Alamos National Security, LLC. All rights
Copyright (c) 2012-2016 Sascha Kratky
Copyright (c) 2012-2016, International Business Machines Corporation
Copyright (c) 2012-2017 Bordeaux Polytechnic Institute
Copyright (c) 2012-2017 Cisco Systems, Inc. All rights reserved
Copyright (c) 2012-2017 Keil Software.
Copyright (c) 2012-2017 Los Alamos National Security, LLC.
Copyright (c) 2012-2017 Los Alamos National Security, LLC. All rights
Copyright (c) 2012-2017 Los Alamos National Security, LLC. All rights
Copyright (c) 2012-2018 ARM Limited.
Copyright (c) 2012-2018 Los Alamos National Security, LLC. All rights
Copyright (c) 2012-2018, OpenGeoSys Community (<http://www.opengeosys.org>)
Copyright (c) 2012-2019 Keil Software.
Copyright (c) 2012-213 Los Alamos National Security, LLC. All rights
Copyright (c) 2013, Cisco Systems, Inc.
Copyright (c) 2013, FUJITSU LIMITED.
Copyright (c) 2013, Inria.
Copyright (c) 2013, Intel, Inc.



Copyright (c) 2013, Intel, Inc. All rights reserved
Copyright (c) 2013, Los Alamos National Security, LLC.
Copyright (c) 2013, Los Alamos National Security, LLC. All rights reserved
Copyright (c) 2013, Los Alamos National Security, LLC. All Rights Reserved
Copyright (c) 2013, Los Alamos National Security, LLC. All rights reserved
Copyright (c) 2013, Mellanox Technologies, Inc.
Copyright (c) 2013, NVIDIA Corporation.
Copyright (c) 2013, Sandia National Laboratories.
Copyright (c) 2013, The University of Tennessee and The University of Tennessee Knoxville
Copyright (c) 2013, University of Houston.
Copyright (c) 2013 Marek Majkowski <marek@popcount.org>
Copyright (c) 2013 Cisco Systems, Inc.
Copyright (c) 2013 Daniel Stenberg <daniel@haxx.se>
Copyright (c) 2013 Eddy Petrișor
Copyright (c) 2013 Eric Soroos
Copyright (c) 2013 Google, Inc.
Copyright (c) 2013 NVIDIA Corporation.
Copyright (c) 2013 Niels Provos and Nick Mathewson
Copyright (c) 2013 Roy Stogner <roystgnr@ices.utexas.edu>
Copyright (c) 2013 W3C(R) (MIT, ERCIM, Keio, Beihang), All Rights Reserved.
Copyright (c) 2013 by Eric Soroos
Copyright (c) 2013, Bo Li (prclibo@gmail.com), ETH Zurich
Copyright (c) 2013, Industrial Light & Magic, a division of Lucas Digital Ltd. LLC
Copyright (c) 2013, International Business Machines Corporation
Copyright (c) 2013, The MathJax Consortium, with Reserved Font Name Asana MathJax.
Copyright (c) 2013-2014 Cisco Systems, Inc.
Copyright (c) 2013-2014 Intel, Inc.
Copyright (c) 2013-2014 Intel, Inc. All rights reserved
Copyright (c) 2013-2014 Los Alamos National Security, LLC. All rights reserved
Copyright (c) 2013-2014 Los Alamos National Security, LLC. All rights reserved
Copyright (c) 2013-2014 Mellanox Technologies, Inc.
Copyright (c) 2013-2014 NVIDIA Corporation.
Copyright (c) 2013-2014, International Business Machines Corporation
Copyright (c) 2013-2015 Bull SAS.
Copyright (c) 2013-2015 Cisco Systems, Inc.
Copyright (c) 2013-2015 Inria.
Copyright (c) 2013-2015 Intel, Inc.
Copyright (c) 2013-2015 Intel, Inc. All rights reserved
Copyright (c) 2013-2015 International Business Machines Corporation and others.
Copyright (c) 2013-2015 Los Alamos National Security, LLC.
Copyright (c) 2013-2015 Los Alamos National Security, LLC. All rights reserved
Copyright (c) 2013-2015 Los Alamos National Security, LLC. All rights reserved



Copyright (c) 2013-2015 Mellanox Technologies, Inc.
Copyright (c) 2013-2015 NVIDIA Corporation.
Copyright (c) 2013-2015 Sandia National Laboratories.
Copyright (c) 2013-2015 The University of Tennessee and The University
Copyright (c) 2013-2015 University of Houston.
Copyright (c) 2013-2016 ARM Limited.
Copyright (c) 2013-2016 Cisco Systems, Inc.
Copyright (c) 2013-2016 Inria.
Copyright (c) 2013-2016 Intel, Inc.
Copyright (c) 2013-2016 Intel, Inc. All rights reserved
Copyright (c) 2013-2016 International Business Machines Corporation and others.
Copyright (c) 2013-2016 Los Alamos National Security, LLC. All rights
Copyright (c) 2013-2016 Los Alamos National Security, LLC. All Rights
Copyright (c) 2013-2016 Los Alamos National Security, LLC. All rights
Copyright (c) 2013-2016 Mellanox Technologies, Inc.
Copyright (c) 2013-2016 The University of Tennessee and The University
Copyright (c) 2013-2016 University of Houston.
Copyright (c) 2013-2016, Cameron Desrochers.
Copyright (c) 2013-2016, International Business Machines Corporation
Copyright (c) 2013-2017 ARM Limited.
Copyright (c) 2013-2017 Cisco Systems, Inc.
Copyright (c) 2013-2017 Cisco Systems, Inc. All rights reserved
Copyright (c) 2013-2017 Inria.
Copyright (c) 2013-2017 Intel, Inc.
Copyright (c) 2013-2017 Intel, Inc. All rights reserved
Copyright (c) 2013-2017 Los Alamos National Security, LLC. All Rights
Copyright (c) 2013-2017 Los Alamos National Security, LLC. All rights
Copyright (c) 2013-2017 Research Organization for Information Science
Copyright (c) 2013-2017 Research Organization for Information Science (RIST).
Copyright (c) 2013-2017 The University of Tennessee and The University
Copyright (c) 2013-2017 University of Houston.
Copyright (c) 2013-2018 ARM Limited.
Copyright (c) 2013-2018 Inria.
Copyright (c) 2013-2018 Intel, Inc.
Copyright (c) 2013-2018, Kim Davies.
Copyright (c) 2013-2019 ARM Limited.
Copyright (c) 2013-2019 Intel Corporation All Rights Reserved.
Copyright (c) 2013-2019 Intel, Inc.
Copyright (c) 2013-2019 Niels Lohmann
Copyright (c) 2013-2019 Niels Lohmann <<http://nlohmann.me>>.
Copyright (c) 2013-2020 ARM Limited.
Copyright (c) 2013-2020 Intel Corporation All Rights Reserved.



Copyright (c) 2014, Artem Y. Polyakov <artpol84@gmail.com>.
Copyright (c) 2014, Bull SAS.
Copyright (c) 2014, Bull SAS. All rights reserved
Copyright (c) 2014, Cisco Systems, Inc.
Copyright (c) 2014, Hochschule Esslingen.
Copyright (c) 2014, Intel Corporation.
Copyright (c) 2014, Intel, Inc.
Copyright (c) 2014, Intel, Inc. All rights reserved
Copyright (c) 2014, Los Alamos National Security, LLC. All rights
Copyright (c) 2014, Los Alamos National Security, LLC. All right
Copyright (c) 2014, Los Alamos National Security, LLC. All rights
Copyright (c) 2014, Mellanox Technologies, Inc.
Copyright (c) 2014, NVIDIA Corporation.
Copyright (c) 2014, Research Organization for Information Science
Copyright (c) 2014, The University of Tennessee and The University
Copyright (c) 2014 Alastair Houghton
Copyright (c) 2014 Cisco Systems, Inc.
Copyright (c) 2014 Coriolis Systems Limited
Copyright (c) 2014 Dov Grobgeld <dov.grobgeld@gmail.com>
Copyright (c) 2014 Google, Inc.
Copyright (c) 2014 Mellanox Technologies, Inc.
Copyright (c) 2014 Ryan Juckett
Copyright (c) 2014 by Alastair Houghton
Copyright (c) 2014 by Alastair Houghton.
Copyright (c) 2014 by Coriolis Systems Limited
Copyright (c) 2014, 2015 Google Inc.; contributed by Alexey Sokolov <sokolov@google.com>
Copyright (c) 2014, 2015, The Regents of the University of California (Regents)
Copyright (c) 2014, 2015, the respective contributors
Copyright (c) 2014, Cisco Systems, Inc.
Copyright (c) 2014, International Business Machines
Copyright (c) 2014, Simon Percivall
Copyright (c) 2014, The Regents of the University of California (Regents)
Copyright (c) 2014, the respective contributors
Copyright (c) 2014-2015 Artem Y. Polyakov <artpol84@gmail.com>.
Copyright (c) 2014-2015 Cisco Systems, Inc.
Copyright (c) 2014-2015 Hewlett-Packard Development Company, LP.
Copyright (c) 2014-2015 Hewlett-Packard Development Company, LP. All
Copyright (c) 2014-2015 Intel, Inc.
Copyright (c) 2014-2015 Intel, Inc. All rights reserved
Copyright (c) 2014-2015 International Business Machines Corporation and others.
Copyright (c) 2014-2015 Los Alamos National Security, LLC. All rights
Copyright (c) 2014-2015 Los Alamos National Security, LLC. All rights



Copyright (c) 2014-2015 Los Alamos National Security, LLC. All right
Copyright (c) 2014-2015 Los Alamos National Security, LLC. All rights
Copyright (c) 2014-2015 Mellanox Technologies, Inc.
Copyright (c) 2014-2015 NVIDIA Corporation.
Copyright (c) 2014-2015 Research Organization for Information Science
Copyright (c) 2014-2016 - Yaron de Leeuw <me@jarondl.net>
Copyright (c) 2014-2016 Cisco Systems, Inc.
Copyright (c) 2014-2016 Intel Corporation.
Copyright (c) 2014-2016 Intel, Inc.
Copyright (c) 2014-2016 Los Alamos National Security, LLC. All rights
Copyright (c) 2014-2016 Los Alamos National Security, LLC. All rights
Copyright (c) 2014-2016 Mellanox Technologies, Inc.
Copyright (c) 2014-2016 Research Organization for Information Science
Copyright (c) 2014-2016 The University of Tennessee and The University
Copyright (c) 2014-2016, International Business Machines
Copyright (c) 2014-2016, International Business Machines Corporation
Copyright (c) 2014-2017 Cisco Systems, Inc. All rights reserved
Copyright (c) 2014-2017 Intel, Inc.
Copyright (c) 2014-2017 Los Alamos National Security, LLC. All rights
Copyright (c) 2014-2017 Los Alamos National Security, LLC. All rights
Copyright (c) 2014-2017 Mellanox Technologies, Inc.
Copyright (c) 2014-2017 Research Organization for Information Science
Copyright (c) 2014-2017 The Khronos Group Inc.
Copyright (c) 2014-2017 The Regents of the University of California (Regents)
Copyright (c) 2014-2017 The University of Tennessee and The University
Copyright (c) 2014-2017, the respective contributors
Copyright (c) 2014-2018 Cisco Systems, Inc. All rights reserved
Copyright (c) 2014-2018 Intel, Inc.
Copyright (c) 2014-2018 Los Alamos National Security, LLC. All rights
Copyright (c) 2014-2018 Los Alamos National Security, LLC. All rights
Copyright (c) 2014-2018 Research Organization for Information Science
Copyright (c) 2014-2019 Intel, Inc.
Copyright (c) 2014-2019 Research Organization for Information Science
Copyright (c) 2015, Cisco Systems, Inc.
Copyright (c) 2015, Los Alamos National Security, Inc. All rights
Copyright (c) 2015, Artem Y. Polyakov <artpol84@gmail.com>.
Copyright (c) 2015, Bull SAS.
Copyright (c) 2015, Cisco Systems, Inc.
Copyright (c) 2015, FUJITSU LIMITED.
Copyright (c) 2015, Intel, Inc.
Copyright (c) 2015, Intel, Inc. All rights reserved
Copyright (c) 2015, Los Alamos National Security, Inc. All rights



Copyright (c) 2015, Los Alamos National Security, LLC.
Copyright (c) 2015, Los Alamos National Security, LLC. All rights
Copyright (c) 2015, Los Alamos National Security, LLC. All rights
Copyright (c) 2015, Mellanox Technologies, Inc.
Copyright (c) 2015, Mellanox Technologies.
Copyright (c) 2015, NVIDIA Corporation.
Copyright (c) 2015, NVIDIA, Inc.
Copyright (c) 2015, Research Organization for Information Science
Copyright (c) 2015, Sandia National Laboratories.
Copyright (c) 2015, The University of Tennessee and The University
Copyright (c) 2015, University of Houston.
Copyright (c) 2015 Cisco Systems, Inc.
Copyright (c) 2015 Bastien ROUCARIES
Copyright (c) 2015 Cisco Systems, Inc.
Copyright (c) 2015 Cisco Systems.
Copyright (c) 2015 Google, Inc.
Copyright (c) 2015 Intel, Inc.
Copyright (c) 2015 Jared Hobbs
Copyright (c) 2015 Jeff Preshing
Copyright (c) 2015 Max Woolf
Copyright (c) 2015 Melissa E. O'Neill
Copyright (c) 2015 Pauli Virtanen
Copyright (c) 2015 The Regents of the University of California (Regents)
Copyright (c) 2015 Wenzel Jakob <wenzel@inf.ethz.ch>
Copyright (c) 2015 by Contributors
Copyright (c) 2015 The Regents of the University of California (Regents)
Copyright (c) 2015 Advanced Micro Devices, Inc.
Copyright (c) 2015 International Business Machines Corporation
Copyright (c) 2015 International Business Machines Corporation and
Copyright (c) 2015 International Business Machines Corporation and others. All Rights Reserved.
Copyright (c) 2015 Mathieu Malaterre <mathieu.malaterre@gmail.com>
Copyright (c) 2015 Matthieu Darbois
Copyright (c) 2015 Piotr Dobrowolski dobrypd[at]gmail[dot]com
Copyright (c) 2015 Paul Ganssle <paul@ganssle.io>
Copyright (c) 2015 dateutil contributors (see AUTHORS file)
Copyright (c) 2015-2016 ARM Limited.
Copyright (c) 2015-2016 Cisco Systems, Inc.
Copyright (c) 2015-2016 Intel, Inc.
Copyright (c) 2015-2016 Los Alamos National Security, LLC. All rights
Copyright (c) 2015-2016 Los Alamos National Security, LLC. All rights
Copyright (c) 2015-2016 Mellanox Technologies, Inc.
Copyright (c) 2015-2016 Research Organization for Information Science



Copyright (c) 2015-2016 The University of Tennessee and The University
Copyright (c) 2015-2016 Will Bond <will@wbond.net>
Copyright (c) 2015-2016, International Business Machines Corporation and others. All Rights Reserved.
Copyright (c) 2015-2017 Cisco Systems, Inc. All rights reserved
Copyright (c) 2015-2017 Intel, Inc.
Copyright (c) 2015-2017 Los Alamos National Security, LLC. All rights
Copyright (c) 2015-2017 Martin Hensel
Copyright (c) 2015-2017 Mellanox Technologies, Inc.
Copyright (c) 2015-2017 Mellanox Technologies.
Copyright (c) 2015-2017 Niels Lohmann
Copyright (c) 2015-2017 Niels Lohmann.
Copyright (c) 2015-2017 Research Organization for Information Science
Copyright (c) 2015-2017, NVIDIA CORPORATION.
Copyright (c) 2015-2018 Cisco Systems, Inc. All rights reserved
Copyright (c) 2015-2018 Intel, Inc.
Copyright (c) 2015-2018 Los Alamos National Security, LLC. All rights
Copyright (c) 2015-2018 Los Alamos National Security, LLC. All rights
Copyright (c) 2015-2018 Mellanox Technologies, Inc.
Copyright (c) 2015-2018 Research Organization for Information Science
Copyright (c) 2015-2018 The Khronos Group Inc.
Copyright (c) 2015-2018 by Contributors
Copyright (c) 2015-2019 Intel, Inc.
Copyright (c) 2015-2019 Mellanox Technologies, Inc.
Copyright (c) 2015-2019 Research Organization for Information Science
Copyright (c) 2015-2019, NVIDIA CORPORATION.
Copyright (c) 2015-2020 ARM Limited.
Copyright (c) 2016 ARM, Inc.
Copyright (c) 2016 Broadcom Limited.
Copyright (c) 2016 Cisco Systems, Inc.
Copyright (c) 2016 FUJITSU LIMITED.
Copyright (c) 2016 IBM Corporation.
Copyright (c) 2016 Inria.
Copyright (c) 2016 Intel, Inc.
Copyright (c) 2016 Intel, Inc. All rights reserved
Copyright (c) 2016 Karol Mroz.
Copyright (c) 2016 Los Alamos National Security, LLC. All rights
Copyright (c) 2016 Los Alamos National Security, LLC. All rights
Copyright (c) 2016 Los Alamos National Security, LLC. All rights
Copyright (c) 2016 Mellanox Technologies Ltd.
Copyright (c) 2016 Mellanox Technologies, Inc.
Copyright (c) 2016 Mellanox Technologies.
Copyright (c) 2016 Research Organization for Information Science



Copyright (c) 2016 The University of Tennessee and The University
Copyright (c) 2016 University of Houston.
Copyright (c) 2016 Intel, Inc.
Copyright (c) 2016 ARM Germany GmbH.
Copyright (c) 2016 ARM Limited.
Copyright (c) 2016 Adrian Veres
Copyright (c) 2016 Ben North <ben@redfrontdoor.org>
Copyright (c) 2016 Broadcom Limited.
Copyright (c) 2016 Cisco Systems, Inc.
Copyright (c) 2016 Inria.
Copyright (c) 2016 International Business Machines Corporation and others. All Rights Reserved.
Copyright (c) 2016 Ivan Smirnov
Copyright (c) 2016 Ivan Smirnov <i.s.smirnov@gmail.com>
Copyright (c) 2016 Jason Rhinelander <jason@imaginary.ca>
Copyright (c) 2016 Karol Mroz.
Copyright (c) 2016 Klemens D. Morgenstern
Copyright (c) 2016 Klemens Morgenstern <klemens.morgenstern@ed-chemnitz.de> and
Copyright (c) 2016 Klemens Morgenstern <klemens.morgenstern@ed-chemnitz.de> and Wenzel Jakob
<wenzel.jakob@epfl.ch>
Copyright (c) 2016 Los Alamos National Security, LLC. All rights
Copyright (c) 2016 Marcin Kurczewski <rr-@sakuya.pl>
Copyright (c) 2016 Nicolas Seriot
Copyright (c) 2016 Pim Schellart <P.Schellart@princeton.edu>
Copyright (c) 2016 Sergey Lyskov
Copyright (c) 2016 Sergey Lyskov and Wenzel Jakob
Copyright (c) 2016 Trent Houlston <trent@houlston.me> and Wenzel Jakob <wenzel.jakob@epfl.ch>
Copyright (c) 2016 Wenzel Jakob <wenzel.jakob@epfl.ch>
Copyright (c) 2016 Wenzel Jakob <wenzel.jakob@epfl.ch>,
Copyright (c) 2016 by Contributors
Copyright (c) 2016 by Mickael Bonfill.
Copyright (c) 2016, Even Rouault
Copyright (c) 2016, International Business Machines
Copyright (c) 2016, International Business Machines Corporation
Copyright (c) 2016, International Business Machines Corporation and
Copyright (c) 2016, International Business Machines Corporation and others. All Rights Reserved.
Copyright (c) 2016, PyData Development Team
Copyright (c) 2016-2017 Felix Lenders
Copyright (c) 2016-2017 Fabian David Tschopp, all
Copyright (c) 2016-2017 IBM Corporation.
Copyright (c) 2016-2017 Inria.
Copyright (c) 2016-2017 Intel, Inc.
Copyright (c) 2016-2017 Los Alamos National Security, LLC. All rights



Copyright (c) 2016-2017 Los Alamos National Security, LLC. All rights
Copyright (c) 2016-2017 Mellanox Technologies, Inc.
Copyright (c) 2016-2017 Research Organization for Information Science
Copyright (c) 2016-2018 ARM Germany GmbH.
Copyright (c) 2016-2018 IBM Corporation.
Copyright (c) 2016-2018 Inria.
Copyright (c) 2016-2018 Intel, Inc.
Copyright (c) 2016-2018 Los Alamos National Security, LLC. All rights
Copyright (c) 2016-2018 Mellanox Technologies, Inc.
Copyright (c) 2016-2018 Olli-Pekka Heinisuo and contributors
Copyright (c) 2016-2018 Research Organization for Information Science
Copyright (c) 2016-2019 IBM Corporation.
Copyright (c) 2016-2019 Intel, Inc.
Copyright (c) 2016-2019 Research Organization for Information Science
Copyright (c) 2016-2019 Viktor Kirilov
Copyright (c) 2016-2019, NVIDIA CORPORATION.
Copyright (c) 2016-2020 ARM Limited.
Copyright (c) 2016-2021 Viktor Kirilov
Copyright (c) 2017 ARM, Inc.
Copyright (c) 2017 Amazon.com, Inc. or its affiliates.
Copyright (c) 2017 Amazon.com, Inc. or its affiliates. All Rights
Copyright (c) 2017 Amazon.com, Inc. or its affiliates. All Rights reserved.
Copyright (c) 2017 Cisco Systems, Inc.
Copyright (c) 2017 Cisco Systems, Inc. All rights reserved
Copyright (c) 2017 FUJITSU LIMITED.
Copyright (c) 2017 IBM Corp.
Copyright (c) 2017 IBM Corporation.
Copyright (c) 2017 Inria.
Copyright (c) 2017 Intel, Inc.
Copyright (c) 2017 Intel, Inc. All rights reserved
Copyright (c) 2017 Los Alamos National Security, LLC. All rights
Copyright (c) 2017 Los Alamos National Security, LLC. All
Copyright (c) 2017 Los Alamos National Security, LLC. All rights
Copyright (c) 2017 Mellanox Technologies Ltd.
Copyright (c) 2017 Mellanox Technologies, Inc.
Copyright (c) 2017 Mellanox Technologies.
Copyright (c) 2017 Research Organization for Information Science
Copyright (c) 2017 Rutgers, The State University of New Jersey.
Copyright (c) 2017 The University of Tennessee and The University
Copyright (c) 2017 UT-Battelle, LLC.
Copyright (c) 2017 University of Houston.
Copyright (c) 2017 ARM Limited.



Copyright (c) 2017 Amazon.com, Inc. or its affiliates.
Copyright (c) 2017 Amazon.com, Inc. or its affiliates. All Rights
Copyright (c) 2017 Borja Zarco (Google LLC) <bzarco@google.com>
Copyright (c) 2017 D. Richard Hipp
Copyright (c) 2017 Henry F. Schreiner
Copyright (c) 2017 IBM Corp.
Copyright (c) 2017 IBM Corporation.
Copyright (c) 2017 Inria.
Copyright (c) 2017 Jason Rhinelander <jason@imaginary.ca>
Copyright (c) 2017 Joseph Redmon
Copyright (c) 2017 MILA Please visit the Myia web site for more information:
Copyright (c) 2017 Thomas Kluyver
Copyright (c) 2017 Wenzel Jakob <wenzel.jakob@epfl.ch>
Copyright (c) 2017 by Contributors
Copyright (c) 2017 by Contributors
Copyright (c) 2017, Apple Inc.
Copyright (c) 2017, Intel Corporation
Copyright (c) 2017, IntoPIX SA <support@intopix.com>
Copyright (c) 2017, IntoPix SA <contact@intopix.com>
Copyright (c) 2017, Planet Labs Author: <even.rouault at spatialys.com>
Copyright (c) 2017-2017 ARM Limited.
Copyright (c) 2017-2018 ARM Limited.
Copyright (c) 2017-2018 Arm Holdings.
Copyright (c) 2017-2018 IAR Systems
Copyright (c) 2017-2018 Intel, Inc.
Copyright (c) 2017-2018 Los Alamos National Security, LLC. All rights
Copyright (c) 2017-2018 Los Alamos National Security, LLC. All rights
Copyright (c) 2017-2018 Mellanox Technologies, Inc.
Copyright (c) 2017-2018 Research Organization for Information Science
Copyright (c) 2017-2019 ARM Limited.
Copyright (c) 2017-2019 IAR Systems
Copyright (c) 2017-2019 Intel, Inc.
Copyright (c) 2017-2019 Research Organization for Information Science
Copyright (c) 2017-2019, Apple Inc.
Copyright (c) 2017-2019, NVIDIA CORPORATION.
Copyright (c) 2017-2020 ARM Limited.
Copyright (c) 2017-2022, NVIDIA CORPORATION.
Copyright (c) 2017-XXXX Amazon.com, Inc. or its affiliates.
Copyright (c) 2018 Amazon.com, Inc. or its affiliates. All Rights reserved.
Copyright (c) 2018 Cisco Systems, Inc.
Copyright (c) 2018 Cisco Systems, Inc. All rights reserved
Copyright (c) 2018 FUJITSU LIMITED.



Copyright (c) 2018 IBM Corporation.
Copyright (c) 2018 Intel, Inc.
Copyright (c) 2018 Los Alamos National Security, LLC. All rights
Copyright (c) 2018 Mellanox Technologies, Inc.
Copyright (c) 2018 Research Organization for Information Science
Copyright (c) 2018 The University of Tennessee and The University
Copyright (c) 2018 Triad National Security, LLC. All rights
Copyright (c) 2018 Cosmin Truta
Copyright (c) 2018 Hudson River Trading LLC <opensource@hudson-trading.com>
Copyright (c) 2018 Melissa E. O'Neill
Copyright (c) 2018 Sylvain Gubian <sylvain.gubian@pmi.com>, Yang Xiang <yang.xiang@pmi.com>
Copyright (c) 2018 Vitaliy Manushkin <agri@akamo.info>.
Copyright (c) 2018 by Contributors
Copyright (c) 2018, Google Inc.
Copyright (c) 2018, Mapbox Author: <norman.barker at mapbox.com>
Copyright (c) 2018, Quansight-Labs
Copyright (c) 2018-2019 Cosmin Truta
Copyright (c) 2018-2019 Cosmin Truta.
Copyright (c) 2018-2019 Intel, Inc.
Copyright (c) 2018-2019 Research Organization for Information Science
Copyright (c) 2018-2019, NVIDIA CORPORATION.
Copyright (c) 2018-2020 ARM Limited.
Copyright (c) 2018-2020 The Khronos Group Inc.
Copyright (c) 2018-2021 Martin Ankerl
Copyright (c) 2018-2021 Martin Ankerl <http:martin.ankerl.com>
Copyright (c) 2018-2021, NVIDIA CORPORATION.
Copyright (c) 2018-2022, NVIDIA CORPORATION.
Copyright (c) 2019 Amazon.com, Inc. or its affiliates. All Rights
Copyright (c) 2019 IBM Corporation.
Copyright (c) 2019 Intel, Inc.
Copyright (c) 2019 Mellanox Technologies, Inc.
Copyright (c) 2019 Research Organization for Information Science
Copyright (c) 2019 The University of Tennessee and The University
Copyright (c) 2019 Google Inc.
Copyright (c) 2019 Google LLC
Copyright (c) 2019 IBM Corporation.
Copyright (c) 2019 Kevin Sheppard.
Copyright (c) 2019 NumPy Developers
Copyright (c) 2019 Roland Dreier <roland.dreier@gmail.com>
Copyright (c) 2019 by Contributors
Copyright (c) 2019, NVIDIA CORPORATION.
Copyright (c) 2019-2020 ARM Limited.



Copyright (c) 2019-2020 Martin Ankerl <martin.ankerl@gmail.com>
Copyright (c) 2019-2020 The Khronos Group Inc.
Copyright (c) 2020 ARM Limited.
Copyright (c) 2020 The Khronos Group Inc.
Copyright (c) 2020 Wenzel Jakob <wenzel.jakob@epfl.ch>
Copyright (c) 2020 Wenzel Jakob <wenzel@inf.ethz.ch> and Henry Schreiner
Copyright (c) 2020, George Terzakis
Copyright (c) 2020, NVIDIA CORPORATION.
Copyright (c) 2020, OPEN AI LAB
Copyright (c) 2020, OPEN AI LAB Author: qtang@openailab.com
Copyright (c) 2020, OPEN AI LAB qli@openailab.com sqfu@openailab.com
Copyright (c) 2020-2021, NVIDIA CORPORATION.
Copyright (c) 2020-2021.Huawei Technologies Co., Ltd.
Copyright (c) 2020-2022, NVIDIA CORPORATION.
Copyright (c) 2020.Huawei Technologies Co., Ltd.
Copyright (c) 2021, NVIDIA CORPORATION.
Copyright (c) 2021-2022, NVIDIA CORPORATION.
Copyright (c) 2022, NVIDIA CORPORATION.
Copyright (c) 2022-2022 Huawei Technologies Co., Ltd.
Copyright (c) <xi:include href="year.txt" parse="text" />.
Copyright (c) AWare Systems <http:www.awaresystems.be/>
Copyright (c) Corporation for National Research Initiatives.
Copyright (c) Donald Stufft and individual contributors.
Copyright (c) Eric Soroos 2016.
Copyright (c) Eric Soroos 2017.
Copyright (c) Fabian Giesen, 2016
Copyright (c) Facebook Inc. and Microsoft Corporation.
Copyright (c) Fredrik Lundh 1994.
Copyright (c) Fredrik Lundh 1995-1997.
Copyright (c) Fredrik Lundh 1995-2003.
Copyright (c) Fredrik Lundh 1995-96.
Copyright (c) Fredrik Lundh 1995-97.
Copyright (c) Fredrik Lundh 1995.
Copyright (c) Fredrik Lundh 1996-2001.
Copyright (c) Fredrik Lundh 1996-2003.
Copyright (c) Fredrik Lundh 1996-97.
Copyright (c) Fredrik Lundh 1996.
Copyright (c) Fredrik Lundh 1997-2004.
Copyright (c) Fredrik Lundh 1997.
Copyright (c) Fredrik Lundh 1999.
Copyright (c) Fredrik Lundh 2009.
Copyright (c) Henrik Ravn 2004



Copyright (c) Huawei Technologies Co., Ltd. 2019-2021.
Copyright (c) Huawei Technologies Co., Ltd. 2019.
Copyright (c) Huawei Technologies Co., Ltd. 2020-2021.
Copyright (c) Huawei Technologies Co., Ltd. 2020-2022.
Copyright (c) Huawei Technologies Co., Ltd. 2020.
Copyright (c) Huawei Technologies Co., Ltd. 2020. .
Copyright (c) Huawei Technologies Co., Ltd. 2021-2021.
Copyright (c) Huawei Technologies Co., Ltd. 2021-2022.
Copyright (c) Huawei Technologies Co., Ltd. 2021-2022. All right reserved.
Copyright (c) Huawei Technologies Co., Ltd. 2021.
Copyright (c) Huawei Technologies Co., Ltd. 2022-2022.
Copyright (c) Huawei Technologies Co., Ltd. 2022-2022. All right reserved.
Copyright (c) Huawei Technologies Co., Ltd. 2022.
Copyright (c) Huawei Technologies Co., Ltd. 2022. All right reserved.
Copyright (c) Huawei Technologies Co., Ltd. 2022. All rights reserved
Copyright (c) Huawei Technologies Co., Ltd. 2023.
Copyright (c) IBM Corporation, 2000-2010.
Copyright (c) IBM Corporation, 2000-2011.
Copyright (c) IBM Corporation, 2000-2012.
Copyright (c) IBM Corporation, 2000-2014.
Copyright (c) IBM Corporation, 2000-2016.
Copyright (c) Joris Van Damme <info@awaresystems.be>
Copyright (c) Mickael Bonfill 2017.
Copyright (c) Microsoft Corporation.
Copyright (c) Microsoft Corporation. All rights reserved
Copyright (c) Microsoft Open Technologies, Inc.
Copyright (c) Microsoft.
Copyright (c) ONNX Project Contributors.
Copyright (c) Secret Labs AB 1997-2001.
Copyright (c) Secret Labs AB 1997-2002.
Copyright (c) Secret Labs AB 1997-2003.
Copyright (c) Secret Labs AB 1997-2004.
Copyright (c) Secret Labs AB 1997-2005.
Copyright (c) Secret Labs AB 1997-98.
Copyright (c) Secret Labs AB 1997-99.
Copyright (c) Secret Labs AB 1997.
Copyright (c) Secret Labs AB 1998
Copyright (c) Secret Labs AB 1999.
Copyright (c) Secret Labs AB 2002-2004.
Copyright (c) Secret Labs AB 2002.
Copyright (c) Secret Labs AB 2008.
Copyright 1984, 1987 by Stephen L. Moshier Direct inquiries to 30 Frost Street, Cambridge, MA 02140



Copyright 1984, 1987, 1988 by Stephen L. Moshier Direct inquiries to 30 Frost Street, Cambridge, MA 02140

Copyright 1984, 1987, 1988, 1992 by Stephen L. Moshier Direct inquiries to 30 Frost Street, Cambridge, MA 02140

Copyright 1984, 1987, 1988, 2000 by Stephen L. Moshier

Copyright 1984, 1987, 1989 by Stephen L. Moshier Direct inquiries to 30 Frost Street, Cambridge, MA 02140

Copyright 1984, 1987, 1989, 1992 by Stephen L. Moshier Direct inquiries to 30 Frost Street, Cambridge, MA 02140

Copyright 1984, 1987, 1989, 1992, 2000 by Stephen L. Moshier

Copyright 1984, 1987, 1989, 1995 by Stephen L. Moshier

Copyright 1984, 1987, 1989, 2000 by Stephen L. Moshier

Copyright 1984, 1987, 1992, 2000 by Stephen L. Moshier

Copyright 1984, 1987, 1993 by Stephen L. Moshier Direct inquiries to 30 Frost Street, Cambridge, MA 02140

Copyright 1984, 1987, 1995 by Stephen L. Moshier

Copyright 1984, 1987, 2000 by Stephen L. Moshier

Copyright 1984, 1991 by Stephen L. Moshier Direct inquiries to 30 Frost Street, Cambridge, MA 02140

Copyright 1984, 1995 by Stephen L. Moshier

Copyright 1984, 1995, 2000 by Stephen L. Moshier

Copyright 1984, 1996 by Stephen L. Moshier

Copyright 1985 by Stephen L. Moshier Direct inquiries to 30 Frost Street, Cambridge, MA 02140

Copyright 1985, 1987 by Stephen L. Moshier Direct inquiries to 30 Frost Street, Cambridge, MA 02140

Copyright 1985, 1987 by Stephen L. Moshier Direct inquiries to 30 Frost Street, Cambridge, MA 02140

Copyright 1985, 1987, 1989 by Stephen L. Moshier Direct inquiries to 30 Frost Street, Cambridge, MA 02140

Copyright 1985, 1987, 2000 by Stephen L. Moshier

Copyright 1991 by the Massachusetts Institute of Technology

Copyright 1991-1995, Stichting Mathematisch Centrum, all

Copyright 1992-1994, David Gottner

Copyright 1992-2018 Free Software Foundation, Inc.

Copyright 1992-2019 Free Software Foundation, Inc.

Copyright 1994 by Lance Ellinghouse Cathedral City, California Republic, United States of America.

Copyright 1994 by Lance Ellinghouse, Cathedral City, California Republic, United States of America.

Copyright 1995-1996 by Fred L. Drake, Jr. and Virginia Polytechnic Institute and State University, Blacksburg, Virginia, USA.

Copyright 1995-1997, Automatrix, Inc., all

Copyright 1996 by Sam Rushing

Copyright 1996,1997 by Oliver Andrich, Koblenz, Germany.

Copyright 1998 by the Massachusetts Institute of Technology.

Copyright 1998, 2000 by the Massachusetts Institute of Technology.

Copyright 1998, 2011 by the Massachusetts Institute of Technology.



Copyright 1998, 2011, 2013 by the Massachusetts Institute of Technology.
Copyright 1999 - 2011 Pearu Peterson all
Copyright 1999 Travis Oliphant
Copyright 1999, 2000, 2001 Regents of the University of California.
Copyright 1999, Bioreason, Inc., all
Copyright 1999,2000 Pearu Peterson all rights reserved, Pearu Peterson <pearu@ioc.ee>
Copyright 19992011 Pearu Peterson all rights reserved, Pearu Peterson <pearu@cens.ioc.ee>
Copyright 1999-2004 Pearu Peterson all rights reserved, Pearu Peterson <pearu@ioc.ee>
Copyright 1999-2005 The RE2 Authors. All Rights Reserved.
Copyright 2000 Pearu Peterson all rights reserved, Pearu Peterson <pearu@ioc.ee>
Copyright 2000 by Timothy O'Malley <timo@alum.mit.edu>
Copyright 2000 by the Massachusetts Institute of Technology.
Copyright 2000, Mojam Media, Inc., all
Copyright 2000-2007 Niels Provos <provos@citi.umich.edu>
Copyright 2000-2009 Kitware, Inc., Insight Software Consortium
Copyright 2000-2009 Niels Provos <provos@citi.umich.edu>
Copyright 2000-2011 Insight Software Consortium
Copyright 2000-2013 Kitware, Inc.
Copyright 2000-2019 Kitware, Inc. and Contributors
Copyright 2001 and onwards Google Inc.
Copyright 2001-2005 Pearu Peterson all rights reserved, Pearu Peterson <pearu@cens.ioc.ee>
Copyright 2001-2007 Niels Provos <provos@citi.umich.edu>
Copyright 2001-2009 Kitware, Inc.
Copyright 2001-2010 The RE2 Authors. All Rights Reserved.
Copyright 2001-2016 by Vinay Sajip. All Rights Reserved.
Copyright 2001-2017 by Vinay Sajip. All Rights Reserved.
Copyright 2001-2019 by Vinay Sajip. All Rights Reserved.
Copyright 2002 Christopher Clark
Copyright 2002 Gary Strangman. All rights reserved
Copyright 2002 Niels Provos <provos@citi.umich.edu>
Copyright 2002 Pearu Peterson all rights reserved, Pearu Peterson <pearu@cens.ioc.ee>
Copyright 2002-2009 The RE2 Authors. All Rights Reserved.
Copyright 2002-2016 The SciPy Developers
Copyright 2003 Google Inc.
Copyright 2003 Michael A. Davis <mike@datanerds.net>
Copyright 2003, Google Inc.
Copyright 2003-2007 Niels Provos <provos@citi.umich.edu>
Copyright 2003-2009 Google Inc.
Copyright 2003-2009 Niels Provos <provos@citi.umich.edu>
Copyright 2003-2009 The RE2 Authors. All Rights Reserved.
Copyright 2003-2010 Google Inc. All Rights Reserved.
Copyright 2004 The RE2 Authors. All Rights Reserved.



Copyright 2004 and onwards Google Inc.
Copyright 2004-2005 Elemental Security, Inc. All Rights Reserved.
Copyright 2004-2005 by Enthought, Inc.
Copyright 2005 Dominick Meglio
Copyright 2005 Google Inc.
Copyright 2005 Google Inc. All Rights Reserved.
Copyright 2005 The RE2 Authors. All Rights Reserved.
Copyright 2005 Travis Oliphant Permission to use, copy, modify, and distribute this software without fee is granted under the SciPy License.
Copyright 2005 by Dominick Meglio
Copyright 2005 by Dominick Meglio.
Copyright 2005, Google Inc.
Copyright 2005-2008 Google Inc. All Rights Reserved.
Copyright 2005-2009 Kitware, Inc.
Copyright 2005-2012 Nick Mathewson
Copyright 2005-2014 Daniel James.
Copyright 2006 Georg Brandl.
Copyright 2006 Google, Inc. All Rights Reserved.
Copyright 2006 The RE2 Authors. All Rights Reserved.
Copyright 2006, Dean Edwards
Copyright 2006, Google Inc.
Copyright 2006-2007 Niels Provos
Copyright 2006-2007 The RE2 Authors. All Rights Reserved.
Copyright 2006-2008 Andreas Schneider <mail@cynapses.org>
Copyright 2006-2008 The RE2 Authors. All Rights Reserved.
Copyright 2006-2008 the V8 project authors.
Copyright 2006-2009 Kitware, Inc.
Copyright 2007, Mike Jackson
Copyright 2007, Wengo
Copyright 2007 Georg Brandl.
Copyright 2007 Google Inc.
Copyright 2007 Google Inc. All Rights Reserved.
Copyright 2007 Google, Inc. All Rights Reserved.
Copyright 2007 Neal Norwitz
Copyright 2007 The RE2 Authors. All Rights Reserved.
Copyright 2007, Google Inc.
Copyright 2007-2009 Kitware, Inc.
Copyright 2007-2010 Baptiste Lepilleur Distributed under MIT license, or public domain if desired and recognized in your jurisdiction.
Copyright 2007-2011 Baptiste Lepilleur Distributed under MIT license, or public domain if desired and recognized in your jurisdiction.
Copyright 2007-2012 Nick Mathewson and Niels Provos



Copyright 2007-2012 Niels Provos and Nick Mathewson
Copyright 2007-2012 Niels Provos, Nick Mathewson
Copyright 2008, Andreas Pakulat <apaku@gmx.de>
Copyright 2008 Armin Ronacher.
Copyright 2008 D. Richard Hipp and Hipp, Wyrick & Company, Inc.
Copyright 2008 Google Inc.
Copyright 2008 Google Inc. All Rights Reserved.
Copyright 2008 Google Inc. All Rights Reserved.
Copyright 2008 The RE2 Authors. All Rights Reserved.
Copyright 2008, Google Inc.
Copyright 2008-2009 David G. Lowe (lowe@cs.ubc.ca).
Copyright 2008-2009 Marius Muja (mariusm@cs.ubc.ca).
Copyright 2008-2009 Philip Lowman <philip@yhbt.com>
Copyright 2008-2010 Philip Lowman <philip@yhbt.com>
Copyright 2008-2011 David G. Lowe (lowe@cs.ubc.ca).
Copyright 2008-2011 Marius Muja (mariusm@cs.ubc.ca).
Copyright 2008-2012 Niels Provos and Nick Mathewson
Copyright 2009 Alexander Neundorf <neundorf@kde.org>
Copyright 2009 Brian Quinlan. All Rights Reserved.
Copyright 2009 Cisco Systems, Inc.
Copyright 2009 Gabriel A. Genellina
Copyright 2009 Google Inc.
Copyright 2009 Google Inc. All Rights Reserved.
Copyright 2009 Kitware, Inc.
Copyright 2009 Neal Norwitz All Rights Reserved.
Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB For conditions of distribution and use, see the accompanying README.ijg file.
Copyright 2009 The RE2 Authors. All Rights Reserved.
Copyright 2009 Will Dicharry <wdicharry@stellarscience.com>
Copyright 2009, Google Inc.
Copyright 2009-2010 Cybozu Labs, Inc.
Copyright 2009-2012 Niels Provos and Nick Mathewson
Copyright 2009-2020 The OpenSSL Project Authors. All Rights Reserved.
Copyright 2010, Iowa State University (Ryan Pavlik <abiryan@ryand.net>)
Copyright 2010 Argus Corp.
Copyright 2010 Google Inc. All Rights Reserved.
Copyright 2010 Google Inc. All Rights Reserved.
Copyright 2010 IPB, INRIA & CNRS
Copyright 2010 The RE2 Authors. All Rights Reserved.
Copyright 2010 the V8 project authors.
Copyright 2010, Google Inc.



Copyright 2010-2011 Kitware, Inc.
Copyright 2010-2012, D. E. Shaw Research.
Copyright 2011 Alex Neundorf
Copyright 2011 Baptiste Lepilleur Distributed under MIT license, or public domain if desired and recognized in your jurisdiction.
Copyright 2011 Eric NOULARD
Copyright 2011 Google Inc. All Rights Reserved.
Copyright 2011 Nikita Krupen'ko
Copyright 2011, 2012, 2013, 2014, 2015, 2016, 2017 The Regents of the University of California.
Copyright 2011, 2013-2015 Kitware, Inc.
Copyright 2011, John Resig.
Copyright 2011, The Dojo Foundation.
Copyright 2011-2014 Kazuho Oku
Copyright 2012, Cedric Castagnede
Copyright 2012 Continuum Analytics, Inc.
Copyright 2012 Facebook
Copyright 2012 Google Inc.
Copyright 2012 Google Inc. All Rights Reserved.
Copyright 2012 The Go Authors.
Copyright 2012 the V8 project authors.
Copyright 2012, the Dart project authors.
Copyright 2012-2013 Emmanuel Agullo
Copyright 2012-2013 Inria
Copyright 2012-2013 Mathieu Faverge
Copyright 2012-2013 by Larry Hastings.
Copyright 2012-2018 Sascha Kratky
Copyright 2013, Florent Pruvost
Copyright 2013 Andrea Gavana Author: <andrea.gavana@gmail.com>
Copyright 2013 Dimitri John Ledkov
Copyright 2013 Google Inc.
Copyright 2013 Google Inc. All Rights Reserved.
Copyright 2013 Red Hat Inc.
Copyright 2013, Google Inc.
Copyright 2013-2014 Ray Holder
Copyright 2013-2016 Florent Pruvost
Copyright 2013-2019 [Niels Lohmann](http://nlohmann.me)
Copyright 2014 Bloomberg Finance LP.
Copyright 2014 Daniele E. Domenichelli
Copyright 2014 Google Inc.
Copyright 2014 Google Inc. All Rights Reserved.
Copyright 2014 Melissa O'Neill <oneill@pcg-random.org>
Copyright 2014 Rolf Eike Beer



Copyright 2014 Stefan.Eilemann@epfl.ch
Copyright 2014 The Authors
Copyright 2014 gRPC authors.
Copyright 2014, Eric W. Moore
Copyright 2014, Google Inc.
Copyright 2015 Alex Turbov
Copyright 2015 Eric Larson
Copyright 2015 Google Inc.
Copyright 2015 Google Inc. All Rights Reserved.
Copyright 2015 Robert Kern <robert.kern@gmail.com>
Copyright 2015 The Chromium Authors.
Copyright 2015 The RE2 Authors. All Rights Reserved.
Copyright 2015 The gRPC Authors
Copyright 2015 gRPC authors.
Copyright 2015, Google Inc.
Copyright 2015,2016,2017 Nir Cohen
Copyright 2015-2016 gRPC authors.
Copyright 2015-2017 Philippe Tillet
Copyright 2015-2017 gRPC authors.
Copyright 2016 Codeplay Software Ltd.
Copyright 2016 Dmitry Marakasov
Copyright 2016 Google Inc.
Copyright 2016 Google Inc. All Rights Reserved.
Copyright 2016 Google LLC.
Copyright 2016 Grist Labs, Inc.
Copyright 2016 Ismael Jimenez Martinez.
Copyright 2016 Roger Leigh
Copyright 2016 The Chromium Authors.
Copyright 2016 The RE2 Authors. All Rights Reserved.
Copyright 2016 The gRPC Authors
Copyright 2016 gRPC authors.
Copyright 2016, 2019 D. R. Commander
Copyright 2016, Google Inc.
Copyright 2016-2019 Intel Corporation
Copyright 2016-2020 Intel Corporation
Copyright 2016-2021 Intel Corporation
Copyright 2017 - 2020 Intel Corporation Licensed under the Apache License, Version 2.0 (the "License")
Copyright 2017 Google Inc.
Copyright 2017 Google Inc. All Rights Reserved.
Copyright 2017 Roman Lebedev.
Copyright 2017 The Abseil Authors.
Copyright 2017 The TensorFlow Authors. All Rights Reserved.



Copyright 2017 The gRPC Authors
Copyright 2017 by Contributors
Copyright 2017 gRPC authors.
Copyright 2017- Paul Ganssle <paul@ganssle.io>
Copyright 2017- dateutil contributors (see AUTHORS file)
Copyright 2017-2020 Intel Corporation
Copyright 2018 Dan Field
Copyright 2018 Dan Field.
Copyright 2018 Google Inc.
Copyright 2018 Google Inc. All Rights Reserved.
Copyright 2018 Google LLC.
Copyright 2018 Kenneth Reitz
Copyright 2018 The Abseil Authors.
Copyright 2018 The Bazel Authors.
Copyright 2018 The RE2 Authors. All Rights Reserved.
Copyright 2018 The gRPC Authors
Copyright 2018 The gRPC Authors.
Copyright 2018 YANDEX LLC
Copyright 2018 gRPC Authors.
Copyright 2018, Google Inc.
Copyright 2018, Google LLC.
Copyright 2018, gRPC Authors
Copyright 2018-2020 Intel Corporation
Copyright 2019 Google Inc.
Copyright 2019 Google LLC.
Copyright 2019 Huawei Technologies Co., Ltd
Copyright 2019 Huawei Technologies Co., Ltd Licensed under the Apache License, Version 2.0 (the "License")
Copyright 2019 Huawei Technologies Co., Ltd.
Copyright 2019 Huawei Technologies Co., Ltd.All Rights Reserved.
Copyright 2019 Istio Authors. All Rights Reserved.
Copyright 2019 NVIDIA Corporation
Copyright 2019 The Abseil Authors.
Copyright 2019 The Apache Software Foundation © Contributors Licensed under an [Apache-2.0](LICENSE) license.
Copyright 2019 The Bazel Authors.
Copyright 2019 The TensorFlow Authors.
Copyright 2019 The gRPC Authors
Copyright 2019 The gRPC Authors.
Copyright 2019 gRPC authors.
Copyright 2019 the gRPC authors.
Copyright 2019, Google Inc.



Copyright 2019-2013 Huawei Technologies Co., Ltd
Copyright 2019-2020 Huawei Technologies Co., Ltd
Copyright 2019-2020 Intel Corporation
Copyright 2019-2021 Huawei Technologies Co., Ltd
Copyright 2019-2022 Huawei Technologies Co., Ltd
Copyright 2019-2023 Huawei Technologies Co., Ltd
Copyright 2019-2023 Huawei Technologies Co., Ltd
Copyright 2020 Arm Limited and affiliates.
Copyright 2020 Google LLC
Copyright 2020 Huawei Technologies Co., Ltd
Copyright 2020 Huawei Technologies Co., Ltd.
Copyright 2020 Intel Corporation
Copyright 2020 The Abseil Authors.
Copyright 2020 The gRPC Authors
Copyright 2020 The gRPC Authors.
Copyright 2020 gRPC authors.
Copyright 2020 the gRPC authors.
Copyright 2020 王一 Wang Yi <godspeedchina@yeah.net>
Copyright 2020-201 Huawei Technologies Co., Ltd
Copyright 2020-2021 Huawei Technologies Co., Ltd
Copyright 2020-2022 Huawei Technologies Co., Ltd
Copyright 2020-2022 Huawei Technologies Co., Ltd.
Copyright 2020-2023 Huawei Technologies Co., Ltd
Copyright 2020-21 Huawei Technologies Co., Ltd
Copyright 20202-2021 Huawei Technologies Co., Ltd
Copyright 2021 Harbin Institute of Technology
Copyright 2021 Huawei Technologies Co., Ltd
Copyright 2021 Huawei Technologies Co., Ltd.
Copyright 2021 Jilin University
Copyright 2021 The gRPC Authors
Copyright 2021 The gRPC authors.
Copyright 2021 Zhejiang University
Copyright 2021 gRPC authors.
Copyright 2021 the gRPC authors.
Copyright 2021-2022 Huawei Technologies Co., Ltd
Copyright 2021-2023 Huawei Technologies Co., Ltd
Copyright 2022 Huawei Sechnologies Co., Ltd
Copyright 2022 Huawei Technologies Co., Ltd
Copyright 2022 Huawei Technologies Co., Ltd :
Copyright 2022-2022 Huawei Technologies Co., Ltd
Copyright 2022-2023 Huawei Technologies Co., Ltd
Copyright 2022Huawei Technologies Co., Ltd



Copyright 2023 Huawei Technologies Co., Ltd
Copyright 2023 Huawei Technologies Co., Ltd
Copyright 2023 Huawei Technologies Co., Ltd.
Copyright 2023-2023 Huawei Technologies Co., Ltd
Copyright Anne M. Archibald 2008 Released under the scipy license
Copyright Anne M. Archibald 2008 Released under the scipy license import numpy as np from heapq
import heappush, heappop import scipy.sparse
Copyright Benjamin Sobotta 2012
Copyright Disney Enterprises, Inc. All Rights Reserved.
Copyright Holger Krekel and others, 2004-2020.
Copyright Iowa State University 2009-2010.
Copyright Iowa State University 2009-2011
Copyright [2007] Neal Norwitz
Copyright by contributors
Copyright © 1991 - 1995, Stichting Mathematisch Centrum Amsterdam, The Netherlands.
Copyright © 1991-1995 Stichting Mathematisch Centrum.
Copyright © 1993,2004 Sun Microsystems or
Copyright © 1994 David Burren. It is licensed under a BSD license.
Copyright © 1995-2000 Corporation for National Research Initiatives.
Copyright © 1995-2011 by Fredrik Lundh
Copyright © 1997-2011 by Secret Labs AB
Copyright © 2000 BeOpen.com.
Copyright © 2001-2019 Python Software Foundation.
Copyright © 2001-2020 Python Software Foundation.
Copyright © 2001-2021 Python Software Foundation.
Copyright © 2003-2009 Bruce D. Evans or
Copyright © 2003-2009 Steven G. Kargl or
Copyright © 2003-2011 David Schultz or
Copyright © 2004-2005 High Performance Computing Center Stuttgart,
Copyright © 2004-2005 High Performance Computing Center Stuttgart, University of Stuttgart.
Copyright © 2004-2005 The Regents of the University of California.
Copyright © 2004-2005 The Trustees of Indiana University and Indiana
Copyright © 2004-2005 The University of Tennessee and The University
Copyright © 2004-2005 The University of Tennessee and The University of Tennessee Research
Foundation.
Copyright © 2004-2006 The Trustees of Indiana University and Indiana
Copyright © 2004-2006 The Trustees of Indiana University and Indiana University Research and
Technology Corporation.
Copyright © 2005-2014 Rich Felker, et al.
Copyright © 2008-2014 Cisco Systems, Inc.
Copyright © 2009, CNRS
Copyright © 2009 CNRS



Copyright © 2009 inria.
Copyright © 2009, 2011 Université Bordeaux
Copyright © 2009, 2012 Université Bordeaux
Copyright © 2009-2010 Cisco Systems, Inc.
Copyright © 2009-2010 Oracle and/or its affiliates.
Copyright © 2009-2010 Université Bordeaux
Copyright © 2009-2010, 2012 Université Bordeaux
Copyright © 2009-2010, 2013 Université Bordeaux
Copyright © 2009-2011 Cisco Systems, Inc.
Copyright © 2009-2011 Université Bordeaux
Copyright © 2009-2011, 2013 Université Bordeaux
Copyright © 2009-2012 Oracle and/or its affiliates.
Copyright © 2009-2012 Université Bordeaux
Copyright © 2009-2013 Université Bordeaux
Copyright © 2009-2013 inria.
Copyright © 2009-2013, 2015 Université Bordeaux
Copyright © 2009-2014 Cisco Systems, Inc.
Copyright © 2009-2014 Inria.
Copyright © 2009-2015 Cisco Systems, Inc.
Copyright © 2009-2015 Inria.
Copyright © 2009-2015 Université Bordeaux
Copyright © 2009-2016 Inria.
Copyright © 2009-2017 Inria.
Copyright © 2010, IBM
Copyright © 2010, Jirka Hladky
Copyright © 2010 Cisco Systems, Inc.
Copyright © 2010 IBM
Copyright © 2010-2011 Cisco Systems, Inc.
Copyright © 2010-2011 Université Bordeaux
Copyright © 2010-2012, 2014 Université Bordeaux
Copyright © 2010-2013 Université Bordeaux
Copyright © 2010-2014 Inria.
Copyright © 2010-2014 Inria.
Copyright © 2010-2016 Inria.
Copyright © 2010-2017 Inria.
Copyright © 2010-2021 by Alex Clark and contributors
Copyright © 2011, Oracle and/or its affiliates.
Copyright © 2011 Google, Inc.
Copyright © 2011 Cisco Systems, Inc.
Copyright © 2011 Université Bordeaux
Copyright © 2011-2012 Université Bordeaux
Copyright © 2011-2014 Inria.



Copyright © 2011-2015 Cisco Systems, Inc.
Copyright © 2012, Aleksej Saushev, The NetBSD Foundation
Copyright © 2012, Blue Brain Project, EPFL.
Copyright © 2012 Aleksej Saushev, The NetBSD Foundation
Copyright © 2012 Blue Brain Project, EPFL.
Copyright © 2012 Inria.
Copyright © 2012 Université Bordeaux
Copyright © 2012-2013 Blue Brain Project, BBP/EPFL.
Copyright © 2012-2013 Inria.
Copyright © 2012-2014 Inria.
Copyright © 2012-2016 Inria.
Copyright © 2013 Giacomo (Mimmo) Cosenza aka Magomimmo
Copyright © 2013 Université Bordeaux.
Copyright © 2013 Université Bordeaux. All right reserved.
Copyright © 2013 W3C® (MIT, ERCIM, Keio, Beihang), All Rights Reserved.
Copyright © 2013-2014 Inria.
Copyright © 2013-2015 Inria.
Copyright © 2013-2016 Inria.
Copyright © 2013-2017 Inria.
Copyright © 2014 Cisco Systems, Inc.
Copyright © 2014 Inria.
Copyright © 2015, Research Organization for Information Science
Copyright © 2015, Research Organization for Information Science and Technology (RIST).
Copyright © 2015 Information Technology Authority (ITA) <foss@ita.gov.om>
Copyright © 2015 Intel, Inc.
Copyright © 2015-2016 Inria.
Copyright © 2015-2016 Intel, Inc.
Copyright © 2016 Inria.
Copyright © 2016 Khaled Hosny <khaledhosny@eglug.org>
Copyright © 2018 gRPC.
Copyright © 2019 and later: Unicode, Inc. and others.
Copyright(C) 2000, Intel Corporation, all
Copyright(c) Huawei Technologies Co., Ltd. 2022.
Copyright (c) 1998-2010 Geometric Tools, LLC
Copyright Daryle Walker, Hubert Holin, John Maddock 2006 - 2007
Copyright (c) 2005 by Timothy A. Davis.
Copyright (c) 1995-2001 Corporation for National Research Initiatives;
Copyright (c) 1998-2010 - by Gilles Vollant - version 1.1 64 bits from Mathias Svensson
Copyright [2007] Google Inc.
copyright 1991-1995 by Stichting Mathematisch
Copyright (c) 2004 by Henrik Ravn
Copyright 1991-1995 Stichting Mathematisch Centrum, Amsterdam



Copyright John Maddock 2008.
(C) Copyright Hubert Holin 2003.
Copyright (c) 2006 Johan Rade
Copyright John Maddock 2008.
(C) Copyright Hubert Holin 2003.
Copyright International Color Consortium, 2009
(C) Copyright John Maddock 2006-7.
Copyright John Maddock 2008.
(C) Copyright Hubert Holin 2003.
Copyright (c) 2007 John Maddock
(C) Copyright John Maddock 2006-7.
(C) Copyright Daryle Walker 2001, 2006.
Copyright Paul A. Bristow 2007, 2010.
(C) Copyright John Maddock 2005.
Copyright 1998-2004 Gilles Vollant
copyright 2013, y-p @ github
copyright 2020 Huawei Technologies Co., Ltd
copyright 2020-2021 Huawei Technologies Co., Ltd
copyright 2021 Huawei Technologies Co., Ltd
copyright 2022 Huawei Technologies Co., Ltd
Copyright (c) 1996, 1998, 2001, 2002, 2003 Red Hat, Inc.
Copyright (c) 2006 Free Software Foundation, Inc.
Copyright (C) 2020, Thomas G. Lane, Guido Vollbeding
Copyright (c) 1988-1996 Sam Leffler
Copyright (c) 1991-1996 Silicon Graphics, Inc."
Copyright © 2004 Scott James Remnant <scott@netsplit.com>.
Copyright © 2012-2015 Dan Nicholson <dbn.lists@gmail.com>
Copyright John Maddock 2011.
copyright 2013-2020, holger krekel et alii
Copyright John Maddock 2008.
Copyright Absoft Corporation 1994-1998 mV2; Cray Research, Inc.
Copyright Absoft Corporation 1994-2002; Absoft Pro FORTRAN Version 8.0
Copyright (c) 1996, 1998, 1999, 2001 Red Hat, Inc.
Copyright (c) 1998 Geoffrey Keating
Copyright (c) 1996 Red Hat, Inc.
Copyright (c) 1996-2003 Red Hat, Inc.
Copyright (C) 2003-2010 Mark Adler
(C) Copyright John Maddock 2007.
(C) Copyright John Maddock 2006-7.
Copyright Gautam Sewani 2008
(C) Copyright John Maddock 2005.
Copyright (c) 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015,



2016, 2017, 2018, 2019 Python Software Foundation;
Copyright (c) 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015,
2016, 2017, 2018, 2019, 2020 Python Software Foundation;
Copyright (c) 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015,
2016, 2017, 2018, 2019, 2020, 2021 Python Software Foundation;
Copyright (c) 1996-2003 Red Hat, Inc.
Copyright (c) 1996-2003 Red Hat, Inc.
Copyright (c) 1996-2003 Red Hat, Inc.
(C) Copyright John Maddock 2006-7.
Copyright John Maddock 2005.
Copyright Paul A. Bristow 2010
Copyright John Maddock 2005.
Copyright Paul A. Bristow 2010
Copyright John Maddock 2007-8.
Copyright John Maddock 2013.
Copyright Paul A. Bristow 2009, 2011
copyright 2001, Autonomous Zones Industries, Inc., all rights...
Copyright John Maddock 2006.
(C) Copyright Bruno Lalande 2008.
Copyright (c) 2000 John Hornkvist
Copyright (c) 2002, 2003, 2004, Free Software Foundation, Inc.
Copyright (c) 2002, 2003, 2004, Free Software Foundation, Inc. based on ppclosure.S
Copyright (c) 1996-2003 Red Hat, Inc.
Copyright (c) 2002, 2003, 2004, Free Software Foundation, Inc. based on ppclosure.S
Copyright (c) 1996, 1998 Red Hat, Inc.
Copyright (c) 2006 Johan Rade
Copyright (c) 2012 Paul A. Bristow
(C) Copyright Hubert Holin 2003-2005.
(C) Copyright Hubert Holin 2003.
Copyright (c) 2007 John Maddock
(C) Copyright John Maddock 2006-7.
Copyright (c) 2007 John Maddock
Copyright John Maddock 2006.
copyright (C) 2008 Jim Pivarski <jpivarski@gmail.com>
Copyright John Maddock 2012.
Copyright John Maddock 2012
Copyright (c) 2006 Johan Rade
Copyright (c) 2011 Paul A. Bristow - filename changes for boost-trunk.
Copyright (c) 2006 Johan Rade
Copyright (c) 2011 John Maddock
Copyright (c) 2011 Paul A. Bristow comments
Copyright Paul A. Bristow 2007, 2012.



Copyright John Maddock 2006.
Copyright Christopher Kormanyos 2013.
Copyright John Maddock 2013
Copyright Paul A. Bristow 2013.
Copyright John Maddock 2006, 2007
Copyright Paul A. Bristow 2007
Copyright Paul A. Bristow 2007, 2009
Copyright John Maddock 2006, 2007.
Copyright Paul A. Bristow 2010
Copyright Paul A. Bristow 2007
Copyright John Maddock 2006, 2011.
Copyright Paul Bristow 2007, 2011.
Copyright John Maddock 2006.
Copyright Paul A. Bristow 2007, 2009
Copyright John Maddock 2006, 2007
Copyright Paul A. Bristow 2007
Copyright Xiaogang Zhang 2006
Copyright John Maddock 2006, 2007
Copyright Paul A. Bristow 2007
Copyright Xiaogang Zhang 2006
Copyright Paul A. Bristow 2006-7.
Copyright John Maddock 2006.
Copyright Paul A. Bristow 2007, 2009
Copyright John Maddock 2006.
Copyright John Maddock 2006.
Copyright John Maddock 2007.
Copyright Paul A. Bristow 2007.
Copyright John Maddock 2007.
Copyright Paul A. Bristow 2007.
Copyright Paul A. Bristow 2010.
Copyright Paul A. Bristow 2007, 2009
Copyright John Maddock 2011.
Copyright John Maddock 2010.
Copyright Paul A. Bristow 2010.
Copyright John Maddock 2008.
Copyright Paul A. Bristow 2008, 2009.
Copyright Thijs van den Berg, 2008.
Copyright John Maddock 2013.
Copyright (c) 2006 Johan Rade
Copyright (c) 2011 Paul A. Bristow comments
Copyright John Maddock 2006.
Copyright Paul A. Bristow 2007, 2009



Copyright (c) 2006 Johan Rade
Copyright (c) 2011 Paul A. Bristow incorporated Boost.Math
Copyright John Maddock 2006.
Copyright Paul A. Bristow 2007
Copyright John Maddock 2009
Copyright John Maddock 2010.
Copyright Paul A. Bristow 2010.
Copyright John Maddock 2006.
Copyright Paul A. Bristow 2007.
Copyright John Maddock 2008.
Copyright John Maddock 2008.
Copyright John Maddock 2008, 2012.
Copyright Paul A. Bristow 2012.
Copyright John Maddock 2006.
Copyright Paul A. Bristow 2007.
Copyright 2011 Paul A. Bristow
Copyright (c) 2006 Johan Rade
Copyright (c) 2011 Paul A. Bristow To incorporate into Boost.Math
Copyright John Maddock 2007.
Copyright Paul A. Bristow 2010.
Copyright John Maddock 2012.
Copyright John Maddock 2006.
Copyright Paul A. Bristow 2007, 2009.
Copyright John Maddock 2006.
Copyright John Maddock 2010
Copyright John Maddock 2010.
Copyright Paul A. Bristow 2010.
Copyright John Maddock 2006
Copyright Paul A. Bristow 2007
(C) Copyright Paul A. Bristow 2011 (added tests for changesign)
Copyright John Maddock 2008
Copyright 2006 Johan Rade
Copyright 2011 Paul A. Bristow To incorporate into Boost.Math
Copyright 2012 Paul A. Bristow with new tests.
Copyright Benjamin Sobotta 2012
Copyright John Maddock 2012.
Copyright Paul A. Bristow 2012.
Copyright John Maddock 2006.
Copyright Paul A. Bristow 2006.
Copyright Paul A. Bristow 2007, 2009
Copyright John Maddock 2006, 2007.
Copyright Paul Bristow 2006, 2007.



Copyright John Maddock 2006.
Copyright Paul Bristow 2007.
Copyright John Maddock 2006.
Copyright Paul A. Bristow 2007, 2009
Copyright 2009-2012 Nick Mathewson
Copyright 2009-2012 Nick Mathewson
Copyright 2009-2012 Nick Mathewson
Copyright (c) 1996, 1998 Red Hat, Inc.
Copyright (c) 1996, 1998, 2001, 2002 Red Hat, Inc.
Copyright (c) 2002 Bo Thorsen <bo@suse.de>
Copyright (c) 1996-2003 Red Hat, Inc.
Copyright 2010 Paul A. Bristow
Copyright 2010 Paul A. Bristow
Copyright (c) 1997,99 Borland Corporation
Copyright (c) 2004, Hannes Kruppa and Bernt Schiele (ETH Zurich, Switzerland).
Copyright (c) 2011, Modesto Castrillon-Santana (IUSIANI, Universidad de | Las Palmas de Gran Canaria, Spain).
Copyright (c) 2014-2016, Joseph Howse (Nummist Media Corporation Limited, | Halifax, Nova Scotia, Canada).
© 2016 Unicode®, Inc.
© Copyright Henrik Ravn 2004
©2015-2016 Cameron Desrochers.
Copyright (c) 2004, Outercurve Foundation.
Copyright (c) Huawei Technologies Co., Ltd. 2020-2021.
Copyright (c) Microsoft Corporation.
Copyright (c) Microsoft Corporation. All rights reserved
Copyright (c) Microsoft Open Technologies, Inc.
Copyright (c) Microsoft.
Copyright 2008-2009 Marius Muja (mariusm@cs.ubc.ca).

License: Apache License V2.0

Please see above

Software: OpenHarmony OpenHarmony-v4.1-Release

Copyright notice:

No copyright notice found in source files of this software



License: Apache License V2.0

Please see above

Software: OpenHarmony:kernel_liteos_m OpenHarmony-v4.1-Release

Copyright notice:

Copyright (c) 2022-2022 Huawei Device Co., Ltd. All rights reserved
copyright () 2d9bbd2
(https://gitee.com/openharmony/kernel_liteos_m/commits/2d9bbd2769e71e7b464bd22fc335999dd8000682), closes I3SPJ1 (https://gitee.com/openharmony/kernel_liteos_m/issues/I3SPJ1) Xiu Fu Zhong Duan
Cao Zuo Jie Kou Tou Wen Jian Wei Zhi Bian Geng ,Dao Zhi De Bian Yi Cuo Wu
Copyright (c) 2023 Hunan OpenValley Digital Industry Development Co., Ltd.
Copyright (c) 2022-2023 Huawei Device Co., Ltd. All rights reserved
Copyright (c) 2021-2021 Huawei Device Co., Ltd. All rights reserved
Copyright (c) 2022-2022 Huawei Technologies Co., Ltd. All rights reserved
Copyright (c) 2021-2022 Huawei Device Co., Ltd. All rights reserved
Copyright (c) 2013-2019 Huawei Technologies Co., Ltd. All rights reserved
Copyright (c) 2021-2023 Huawei Device Co., Ltd. All rights reserved
Copyright (c) 2019 Nuclei Limited. All rights reserved
copyright () ad15bbd
(https://gitee.com/openharmony/kernel_liteos_m/commits/ad15bbd6a4d298aabc05b26d7838de6425dbc5c5) Xiu Fu
Copyright (c) 2022 Huawei Device Co., Ltd. All rights reserved
Copyright (c) 2013-2020, Huawei Technologies Co., Ltd. All rights reserved
Copyright (c) 2009-2019 Arm Limited. All rights reserved
Copyright (c) 2021 Huawei Device Co., Ltd.
Copyright (c) 2020-2023 Huawei Device Co., Ltd. All rights reserved
Copyright (c) 2020-2022 Huawei Device Co., Ltd. All rights reserved
Copyright (c) 2020-2022 Huawei Device Co., Ltd.
Copyright (c) 2020-2021 Huawei Device Co., Ltd. All rights reserved
Copyright (c) 2021 Nuclei Limited. All rights reserved
Copyright (c) 2023-2023 Huawei Device Co., Ltd. All rights reserved

License: Apache License V2.0

Please see above



Software: OpenHarmony:third_party_cmsis OpenHarmony-v4.1-Release

Copyright notice:

Copyright (c) 2022-2022 Huawei Device Co., Ltd. All rights reserved
Copyright (c) 2017-2021 ARM Limited. All rights reserved
Copyright (c) 2009-2013 Arm Limited
Copyright (c) 2019-2021 ARM Limited
Copyright (c) 2019-2020 ARM Limited
Copyright (c) 2010-2023 ARM Limited
Copyright (c) 2021-2022 Huawei Device Co., Ltd.
Copyright (c) 2019-2022 ARM Limited
Copyright (c) 2010-2022 Arm Limited
Copyright (c) 2009-2022 ARM Limited. All rights reserved
Copyright (c) 2010-2021 ARM Limited
Copyright (c) 2010-2022 ARM Limited
Copyright (c) 2017-2018 Arm Limited. All rights reserved
Copyright (c) 2017-2020 Arm Limited. All rights reserved
Copyright (c) 2009-2021 Arm Limited. All rights reserved
Copyright (c) 2009-2020 Arm Limited. All rights reserved
Copyright (c) 2009-2023 Arm Limited. All rights reserved
Copyright (c) 2010-2021 Arm Limited
Copyright (c) 2013-2023 Arm Limited. All rights reserved
Copyright (c) 2009-2022 Arm Limited. All rights reserved
Copyright (c) 2018-2022 Arm China. All rights reserved
Copyright (c) 2020 ARM Limited
Copyright (c) 2022-2023 Arm Limited. All rights reserved
Copyright (c) 2010-2020 Arm Limited
Copyright (c) 2020-2021 Arm Limited. All rights reserved
Copyright (c) 2019 ARM Limited
Copyright (c) 2017-2021 IAR Systems
Copyright (c) 2022 Arm Limited. All rights reserved
Copyright (c) 2023 Arm Limited. All rights reserved
Copyright (c) 2010-2019 Arm Limited
Copyright (c) 2020 Arm Limited. All rights reserved
Copyright (c) 2017-2022 Arm Limited. All rights reserved
Copyright (c) 2018-2023 Arm Limited. All rights reserved
Copyright (c) 2017-2023 Arm Limited. All rights reserved



License: Apache License V2.0

Please see above