

PreonLab 6.1.3 FOSS Disclosure

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FOSS Notices 1

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FOSS component used	declared FOSS license
Alembic	BSD-3-Clause
Open Asset Import Library (assimp)	BSD-3-Clause
boost C++ libraries (used parts: Filesystem, Lexical Cast, Locale)	Boost license
Bullet Continuous Collision Detection and Physics Library	zlib license
Eigen	MPL2
expat - XML Parser Toolkit	MIT license
FreeType	FTL
Graphviz - Graph Visualization Software	Eclipse Public License
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OpenMPI	BSD-3-Clause
OpenSceneGraph	OSGPL
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pybind11	BSD-3-Clause
Python	PSF
Qt	LGPL 3
QtPropertyBrowser	LGPL 3
svd3	MIT license
Units: A compile-time c++14 unit conversion library with no dependencies	MIT license

zlib license

Table 1: Overview of FOSS components used by PreonLab 6.1.3.

2.2 Package Details

2.2.1 Alembic

URL	https://github.com/alembic/alembic
Applicable License(s)	BSD-3-Clause
Copyright Attribution	TM & $\mbox{@}$ 2009-2015 Lucasfilm Entertainment Company Ltd. or Lucasfilm Ltd.

Table 2: Alembic package details.

2.2.2 Open Asset Import Library (assimp)

URL	https://github.com/FIFTY2Technology/assimp
Applicable License(s)	BSD-3-Clause
Copyright Attribution	© 2006-2016, assimp team

Table 3: Open Asset Import Library (assimp) package details.

2.2.3 boost C++ libraries (used parts: Filesystem, Lexical Cast, Locale)

URL	https://www.boost.org/
Applicable License(s)	Boost license
Copyright Attribution	Authors: Beman Dawes, Kevlin Henney and Artyom Beilis

Table 4: boost C++ libraries (used parts: Filesystem, Lexical Cast, Locale) package details.

2.2.4 Bullet Continuous Collision Detection and Physics Library

URL	https://github.com/bulletphysics/bullet3
Applicable License(s)	zlib license
Copyright Attribution	© contributors to the Bullet Continuous Collision Detection and Physics Library. See license file for a list.

Table 5: Bullet Continuous Collision Detection and Physics Library package details.

2.2.5 Eigen

URL	http://eigen.tuxfamily.org
Applicable License(s)	MPL2
Copyright Attribution	© contributors to Eigen. See the license file for a list.

Table 6: Eigen package details.

2.2.6 expat - XML Parser Toolkit

URL	http://www.jclark.com/xml/expat.html
Applicable License(s)	MIT license
Copyright Attribution	© 1998, 1999, 2000 Thai Open Source Software Center Ltd, © 2001-2017 Expat maintainers

Table 7: expat - XML Parser Toolkit package details.

2.2.7 FreeType

URL	https://www.freetype.org/index.html
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Copyright Attribution	© 1996-2002, 2006 David Turner, Robert Wilhelm, and Werner Lemberg

Table 8: FreeType package details.

2.2.8 Graphviz - Graph Visualization Software

URL	https://www.graphviz.org/
Applicable License(s)	Eclipse Public License
Copyright Attribution	Authors: John Ellson, Emden Gansner, Yifan Hu, Stephen North, Don Caldwell, David Dobkin, Tim Dwyer, Eleftherios Koutsofios, Kiem-Phong Vo, Gordon Woodhull

Table 9: Graphviz - Graph Visualization Software package details.

2.2.9 hwloc - Portable Hardware Locality

URL	https://www.open-mpi.org/projects/hwloc/
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Copyright Attribution	$\ensuremath{\mathbb{Q}}$ contributors to the Portable Hardware Locality (hwloc) library. See license file for a list.

 Table 10: hwloc - Portable Hardware Locality package details.

2.2.10 ICU

URL	http://site.icu-project.org/
Applicable License(s)	ICU License
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Table 11: ICU package details.

2.2.11 Liberation Fonts

URL	https://github.com/liberationfonts/liberation-fonts
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Table 12: Liberation Fonts package details.

2.2.12 libpng

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Applicable License(s)	libpng license
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 Table 13: libpng package details.

2.2.13 LLVM

URL	https://www.llvm.org

Applicable License(s)	UIUC License
Copyright Attribution	© 2003-2010 University of Illinois at Urbana-Champaign

Table 14: LLVM package details.

2.2.14 lz4

URL	https://lz4.org
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Table 15: lz4 package details.

2.2.15 Open CASCADE Technology

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Table 16: Open CASCADE Technology package details.

2.2.16 OpenEXR

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Table 17: OpenEXR package details.

2.2.17 OpenMPI

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 Table 18: OpenMPI package details.

2.2.18 OpenSceneGraph

URL	https://github.com/heandreas/osg
Applicable License(s)	OSGPL
Copyright Attribution	© contributors to OpenSceneGraph. See license file for a list.

Table 19: OpenSceneGraph package details.

2.2.19 PCRE

URL	https://www.pcre.org/
Applicable License(s)	BSD-3-Clause
Copyright Attribution	© 1997-2012 University of Cambridge Computing Service, © 2009-2012 Zoltan Herczeg © 2007-2012 Google Inc.

Table 20: PCRE package details.

2.2.20 pybind11

URL	https://github.com/pybind/pybind11
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Table 21: pybind11 package details.

2.2.21 Python

URL	https://www.python.org/								
Applicable License(s)	PSF								
Copyright Attribution	© 2001-2022 Python Software Foundation, © 2000 BeOpen.com, © 1995-2000 Corporation for National Research Initiatives, © 1991-1995 Stichting Mathematisch Centrum								

Table 22: Python package details.

2.2.22 Qt

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Table 23: Qt package details.

2.2.23 QtPropertyBrowser

URL	https://github.com/FIFTY2Technology/qtpropertybrowser
Applicable License(s)	LGPL 3
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 Table 24: QtPropertyBrowser package details.

2.2.24 svd3

URL	https://github.com/ericjang/svd3
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Copyright Attribution	© 2014 Eric V. Jang

Table 25: svd3 package details.

2.2.25 Units: A compile-time c++14 unit conversion library with no dependencies

URL	https://github.com/nholthaus/units
Applicable License(s)	MIT license
Copyright Attribution	© 2016 Nic Holthaus

Table 26: Units: A compile-time c++14 unit conversion library with no dependencies package details.

2.2.26 zlib

URL	https://www.zlib.net/
Applicable License(s)	zlib license
Copyright Attribution	Authors: Jean-loup Gailly and Mark Adler

Table 27: zlib package details.

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2.3.3 boost C++ libraries (used parts: Filesystem, Lexical Cast, Locale)

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2.3.4 Bullet Continuous Collision Detection and Physics Library

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Russel Smith

Sony

Jakub Stephien
Marten Svanfeldt
Jie Tan
Pierre Terdiman
Steven Thompson
Tamas Umenhoffer

If your name is missing, please send an email to erwin.coumans@gmail.com or file an issue at http://github.com/bulletphysics/bullet3

2.3.5 Eigen

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If you know of missing, please email: info@openexr.com.

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That's all there is to it!

OpenSceneGraph Library 3.3.4

535 Contributors:

Firstname Surname

Robert Osfield Don Burns Stephan Huber Paul Martz Mathias Fröhlich Farshid Lashkari Marco Jez Wang Rui Jean-Sébastien Guay Ulrich Hertlein Mike Weiblen Sukender Eric Wing Cedric Pinson Brede Johansen Bob Kuehne Michael Platings Geoff Michel Wojciech Lewandowski

Eric Sokolowsky

David Callu Laurens Voerman Colin McDonald Trajce Nikolov Tim Moore Martin Lavery Tree Mattias Helsing Luigi Calori Jason Beverage Pjotr Svetachov Mike Wittman Jan Peciva Chris Hanson Roland Smeenk Roger James Jeremy Moles Alberto Luaces J.P. Delport Magnus Kessler David Fries Andy Skinner Tom Jolley Paul Melis Luc Frauciel Aurelien Albert Pavel Moloshtan Brad Christiansen Olaf Flebbe Mathieu Marache Jason Daly Art Tevs Philip Lowman Per Fahlberg Norman Vine Lionel Lagarde Terry Welsh Serge Lages Romano José Magacho da Silva Chris Denham Alberto Farre Torben Dannhauer Sherman Wilcox Robert Michael Mourad Boufarguine André Garneau Adrian Egli Ruben Lopez Randall Hopper Jan Ciger Glenn Waldron Gideon May Don Tidrow Stephane Lamoliatte Sebastian Messerschmidt Michael Gronager Martin Naylor Kristofer Tingdahl Joakim Simonsson David Spilling Daniel Sjölie

Bryan Thrall

Rafa Gaitan

Fabien Lavignotte

Andreas Ekstrand

Riccardo Corsi

Mike Connell

Melchior Franz

Johannes Baeuerle

Thomas Hogarth

Neil Hughes

Martin Beckett

Marc Helbling

Joran Jessurun

Gino van den Bergen

Frederic Marmond

David Guthrie

Csaba Halasz

Cory Riddell

Chuck Seberino

Boris Bralo

Yefei He

Sondra Iverson

Simon Julier

Rune Schmidt Jensen

Rainer Oder

Nico Kruithof

Martin Aumueller

Mario Valle

Lukasz Izdebski

Jorge Izquierdo Ciges

Jordi Torres

Gordon Tomlinson

Frederic Bouvier

Carlo Camporesi

Ben Discoe

Alexander Sinditskiy

Thibault Genessay

Sasa Bistrovic

Ravi Mathur

Ralf Habacker

Neil Groves

Mikhail Izmestev

Markus Trenkwalder

Loic Dachary

Joseph Steel

John Shue

Brad Colbert

Björn Blissing

Vivek Rajan

Uwe Woessner

Tony Horrobin

Thom DeCarlo

Tatsuhiro Nishioka

Tanguy Fautré

Sean Spicer

Ryan Kawicki

Richard Schmidt

Peter Hrenka

Paul de Repentigny

Nikolaus Hanekamp

Neil Salter

Mihai Radu

Michael Hartman

Martins Innus

Maciej Krol

Lilin Xiong

Leandro Motta Barros

Johan Nouvel

Hartwig Wiesmann

Donn Mielcarek

Corbin Holtz

Blasius Czink

Alexander Irion

Toshiyuki Takahei

Sebastien Grignard

Rudolf Wiedemann

Maria Ten

Liang Aibin

Katharina Plugge

John Vidar Larring

John Kelso

John Ivar

Gustav Haapalahti

Erik den Dekker

Emmanuel Roche

Domenico Mangieri

Daniel Larimer

Colin Dunlop

Bruce Clay

Bradley Anderegg

Andreas Goebel

Alok Priyadarshi

Ali Botorabi

Alberto Barbati

Alan Dickinson

Vladimir Shabanov

Vladimir Chebaev

Tugkan Calapoglu

Tim Daoust

Sylvain Marie

Sohey Yamamoto

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Robert Milharcic

Rene Molenaar

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Phil Atkin

Nathan Monteleone

Miguel Escriva

Mattias Linde

Mark Sciabica

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Lee Butler

Lars Nilsson

Konstantin Sinitsyn

Ken Sewell

Julian Ortiz

Julen Garcia

John Kaniarz

Jim Vaughan

Jeremy Bell

Javier Taibo Jaromir Vitek

James French

Jaap Glas

Guillaume Millet

Gary Quinn

Garrett Potts

Gabor Dorka

Fabio Mierlo

Doug McCorkle

Donald Cipperly

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Dietmar Funck

Colin Cochran

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Charles Cole

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Aurélien Chatelain

Antoine Hue

Andrew Bettison

Anders Backman

Alexander Wiebel

Alessandro Terenzi

Zach Deedler

Yuzhong Shen

Wee See

Warren Macchi

Vincent Bourdier

Terrex

Tassilo Glander

Steve Lunsford

Stephane Simon

Stephan Eilemann

Stanislav Blinov

Sergey Polischuk

Roni Zanolli

Raymond de Vries

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Thomas Weidner

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Tamer Fahmy

Stewart Andreason

Steven Thomas

Simon Hammett

Simon Carmody

Simon Buckley

Sid Byce

Shuxing Xiao

Shane Arnott

Sergey Kurdakov

Sebastien Kuntz

Ruth Lang

Ruben Smelik

Ross Anderson

Ronny Krueger

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Rick Pingry

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Ragnar Hammarqvist

Qing Shen

Piotr Rak

Pierre Bourdin

Philipp Svehla

Philipp Siemoleit

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Jeffrey Kinross Jay Zuckerman Jason Howlett Jason Ballenger James Killian James Athey J.E. Hoffmann

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César L. B. Silveira

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Axel Volley Anthousis Andreadis Anish Thomas Andy Preece Andrew Reyonolds Andreas Roth Andreas Jochens Andreas Henne Andre Normann Almalric Alexandre Allen Bierbaum Alberto Jaspe Alan Purvis Alan Ott Alan Harris Aitor Moreno Adrien Grandemange Adrian Clark Adam Richard

2.3.19 PCRE

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PCRE is a library of functions to support regular expressions whose syntax and semantics are as close as possible to those of the Perl 5 language. Release 8 of PCRE is distributed under the terms of the "BSD" licence, as specified below. The documentation for PCRE, supplied in the "doc" directory, is distributed under the same terms as the software itself. The basic library functions are written in C and are freestanding. Also included in the distribution is a set of C++ wrapper functions, and a justin-time compiler that can be used to optimize pattern matching. These are both optional features that can be omitted when the library is built.

THE BASIC LIBRARY FUNCTIONS

Written by: Philip Hazel

Email local part: ph10 Email domain: cam.ac.uk

University of Cambridge Computing Service,

Cambridge, England.

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2.3.20 pybind11

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2.3.21 Python

------ Python 3 ------- History and License
History of the software

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl/) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us/) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation; see http://www.zope.com/). In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://opensource.org/ for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release Derived from Year Owner GPL compatible?

0.9.0 thru 1.2 n/a 1991-1995 CWI yes

1.3 thru 1.5.2 1.2 1995-1999 CNRI yes

1.6 1.5.2 2000 CNRI no

2.0 1.6 2000 BeOpen.com no

1.6.1 1.6 2001 CNRI no

2.1 2.0+1.6.1 2001 PSF no

2.0.1 2.0+1.6.1 2001 PSF yes

2.1.1 2.1+2.0.1 2001 PSF yes

2.1.2 2.1.1 2002 PSF yes

2.1.3 2.1.2 2002 PSF yes

2.2 and above 2.1.1 2001-now PSF yes

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Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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Mersenne Twister

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A C-program for MT19937, with initialization improved 2002/1/26. Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed) or init_by_array(init_key, key_length).

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Any feedback is very welcome. http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html email: m-mat @ math.sci.hiroshima-u.ac.jp (remove space)

Sockets

The socket module uses the functions, getaddrinfo(), and getnameinfo(), which are coded in separate source files from the WIDE Project, http://www.wide.ad.jp/.

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Modified by Jack Jansen, CWI, July 1995:

- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with Python standard

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cfuhash

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libmpdec

The _decimal Module is built using an included copy of the libmpdec library unless the build is configured --with-system-libmpdec:

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----- Python 2.7 -----

A. HISTORY OF THE SOFTWARE

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	<pre>GPL- compatible? (1)</pre>
0.9.0 thru 1.2 1.3 thru 1.5.2	1.2	1991-1995 1995-1999	CWI CNRI	yes yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no

2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.7	2.6	2010	PSF	yes

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2.3.23 QtPropertyBrowser

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2.3.24 svd3

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2.3.25 Units: A compile-time c++14 unit conversion library with no dependencies

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2.3.26 zlib

/* zlib.h -- interface of the 'zlib' general purpose compression library version 1.2.8, April 28th, 2013

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

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