

Début d'une liste non-exhaustive de Composants

Interface graphique

- QT

Site web:	http://qt.digia.com
Description:	Cross-platform, application framework written in C++, to develop Graphical User Interfaces (GUI)
License:	GNU LGPL v2.1 & Commercial License
Notes:	

- GTK+

Site web:	http://www.gtk.org
Description:	Cross-platform toolkit written in C, to develop Graphical User Interfaces (GUI)
License:	GNU LGPL
Notes:	

- wxWidgets

Site web:	http://www.wxwidgets.org
Description:	Cross-platform widget toolkit written in C++, to develop Graphical User Interfaces (GUI)
License:	wxWindows Licence
Notes:	The license is essentially a LGPL with an exception stating that derived works in binary form may be distributed on the user's own terms.

- SWT

Site web:	http://www.eclipse.org/swt/
Description:	Cross-platform widget toolkit for Java, to develop Graphical User Interfaces (GUI)
License:	Eclipse Public License
Notes:	

Applications web

- Spring

Site web:	http://www.springsource.org/
Description:	Application framework and Inversion of Control for web applications developed in Java
License:	Apache License 2.0
Notes:	

- Django

Site web:	https://www.djangoproject.com
Description:	Web application framework written in Python, to support the Model-View-Controller (MVC) pattern.
License:	BSD License
Notes:	

Base de Données

- SQLite

Site web:	http://www.sqlite.org
Description:	Relational Database Management System contained in a ~350 KB library written in C.
License:	Public Domain
Notes:	

- Apache Derby

Site web:	http://db.apache.org/derby/
Description:	Relational Database Management System written in Java
License:	Apache License 2.0
Notes:	

- Hibernate

Site web:	http://www.hibernate.org
Description:	Object-relational mapping (ORM) for Java
License:	LGPL 2.1
Notes:	

Securité

- Crypto++

Site web:	http://www.cryptopp.com
Description:	C++ library of cryptographic algorithms
License:	Custom License
Notes:	

Mathematics & Statistics

- Sage

Site web:	http://www.sagemath.org
Description:	Mathematical software in Python
License:	GPL
Notes:	

- CGAL (Computational Geometry Algorithms Library)

Site web:	http://www.cgal.org
Description:	Library for computational geometry applications written in C++
License:	Some parts of CGAL are available under the LGPL, other parts are under the GPL
Notes:	

- GSL (GNU Scientific Library)

Site web:	http://www.gnu.org/software/gsl/
Description:	Library for numerical computations written in C
License:	GPL
Notes:	

Visualisation d'images

- VTK (Visualization Toolkit)

Site web:	http://www.vtk.org
Description:	Cross-platform, multi-language software for 3D computer graphics, image processing and visualization.
License:	VTK License (http://www.vtk.org/VTK/project/license.html)
Notes:	As explained in their wiki: http://www.vtk.org/Wiki/VTK/FAQ some algorithms in VTK are patented. If your code uses a patented class you have to contact the patent holder and obtain a license.

- OpenGL

Site web:	http://www.opengl.org
Description:	Cross-platform, multi-language API for 2D and 3D rendering.
License:	Multiple licenses
Notes:	As explained here: http://www.sgi.com/products/software/opengl/license.html , if an application developer wants to use the OpenGL API, the developer needs to obtain copies of a linkable OpenGL library for a particular hardware device or machine.

- Graphviz

Site web:	http://www.graphviz.org
Description:	Graph visualization tool in C
License:	Eclipse Public License
Notes:	

Traitement d'images

- ITK (Insight Segmentation and Registration Toolkit)

Site web:	http://www.itk.org
Description:	Cross-platform, multi-language framework for image segmentation and registration.
License:	Apache 2.0
Notes:	

Parallélisation

- Boost

Site web:	http://www.boost.org/
Description:	Over 80 C++ libraries, to support many tasks such as linear algebra, pseudorandom numbers, multithreading, image processing, regular expressions and others.
License:	Boost Software License
Notes:	

- OpenCL

Site web:	http://www.khronos.org/opencl/
Description:	Framework for general purpose computing on graphical processing units (GPGPU)
License:	Royalty Free Open Standard
Notes:	

Simulation de Réseaux

- Ns-3

Site web:	http://www.nsnam.org
Description:	Discrete event, network simulator written in C++
License:	GNU GPLv2
Notes:	

- Omnet++

Site web:	http://www.omnetpp.org
Description:	Discrete event, queuing and network simulator written in C++
License:	Custom license
Notes:	In academic and educational environments it has an Academic Public License