

This document summarises the IPR and licensing issues relative to the SPIS software as distributed and maintained through the SPINE community (see <http://www.spis.org>). The present document is relative to the current reference version at the present date: SPIS 4.0 SPIS is an open-source project already gathering pre-existing components coming from various external projects and is submitted to the

Software component	Web site or repository	Ownership and/or main author	License	Comments or external components included
<b>SPIS-UI</b> (framework itself)	<a href="http://www.spis.org">http://www.spis.org</a>	Artenum	GPL	Includes most of the components present in the SPIS-GUI directory, like Jython scripts and the SPIS GUI Java-based library.
<b>SPIS-NUM</b> (numerical kernel)	<a href="http://www.spis.org">http://www.spis.org</a>	ONERA	GPL	This includes external libraries like NetLib (Java implementation of Lapack) that have their own IPR
<b>JFreeMesh</b> (high performance mesh library)	<a href="http://dev.artenum.com/projects/JFreeMesh">http://dev.artenum.com/projects/JFreeMesh</a> <a href="http://www.spis.org">http://www.spis.org</a>	Artenum	QPL	JFreeMesh is an external project to SPIS introduced a posteriori to improve the whole performance and reduce the mesh memory footprint.
<b>JyConsole</b> (embedded Jython console)	<a href="http://dev.artenum.com/projects/jyconsole">http://dev.artenum.com/projects/jyconsole</a> <a href="http://www.spis.org">http://www.spis.org</a>	Artenum	QPL	JyConsole is an external project, introduced a posteriori to improve the user-friendly use of the framework.
<b>CassandraPCS</b> (experimental SCA based interface)	<a href="http://www.spis.org">http://www.spis.org</a>	Artenum	QPL	It has been developed in the frame of the ANR SCOS and Scorware projects. This module is not used in production.
<b>Cassandra 2.2</b> (3D visualisation framework based on Java and VTK)	<a href="http://dev.artenum.com/projects/cassandra">http://dev.artenum.com/projects/cassandra</a>	Artenum	QPL	External component, introduced in SPIS a posteriori in order to improve the post-processing capabilities.
<b>Gmsh</b> (CAD and meshing tools)	<a href="http://www.geuz.org/gmsh/">http://www.geuz.org/gmsh/</a>	C.Geuzaine & J.-F. Remacle	GPL	Include some external components like the OpenCascade step importer.

## SPIS INTELLECTUAL PROPERTY RIGHTS AND LICENSING STATUS

<b>JFreeChart</b>	<a href="http://www.jfree.org/jfreechart/">http://www.jfree.org/jfreechart/</a>	Object Refinery Limited	LGPL	Initially, has been developed seven years ago as an internal product for Astrium to analyze satellite simulation outputs.
<b>JSynoptic</b> (2D data analysis and plotting tool)	<a href="http://jsynoptic.sourceforge.net/">http://jsynoptic.sourceforge.net/</a>	Today supported by the community	LGPL	Initially, has been developed seven years ago as an internal product for Astrium to analyze satellite simulation outputs.
<b>Jext</b> (embeded Javabased text editor)	<a href="http://www.jext.org">http://www.jext.org</a>	Romain Guy and contributors	GPL	
<b>Jython</b> (Java-based Python interpreter)	<a href="http://www.jython.org">http://www.jython.org</a>	Python Software Foundation	Python license, version 2	
<b>Multivalent</b> (Java-based Web browser)				Not used anymore, has been removed in the last release.
<b>ParaView</b>	<a href="http://www.paraview.org/">http://www.paraview.org/</a>	Kitware	ParaView license, version 1.2	
<b>VTK</b> (3D data analysis & visualisation library)	<a href="http://www.vtk.org">http://www.vtk.org</a>	Kitware	BSD license	
<b>PicUp3D</b> (3D plasma simulation code)	<a href="http://www.spis.org">http://www.spis.org</a>	Owned by ESA and IRF-K	GPL	Integrated into SPIS as "add-on"
<b>Log4j</b> (logging system)	<a href="http://logging.apache.org/log4j">http://logging.apache.org/log4j</a>	The Apache Foundation	Apache license	
<b>Slf4j</b> (logging system)	<a href="http://www.slf4j.org">http://www.slf4j.org</a>	QOS.ch	MIT license	