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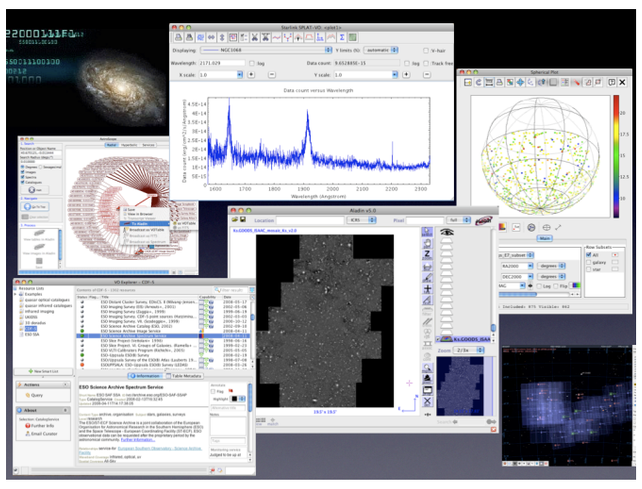

VO-Software

In this section, scientists can find available VO-compatible applications for their immediate use to do science. The level of maturity of the applications depends on a high degree on the level of maturity of the corresponding IVOA protocols and standards, and care must be taken when using them for publications.
As a consequence of the flexibility of the standards, several of the applications might overlap in functionality.

Please make use of the applications and send us any comment by accessing our helpdesk system.

	Tool/Description	Version	Download/Launch	Examples/Tutorials
	DATA DISCOVERY			
	Aladin: An interactive software sky atlas allowing the user to visualize digitized images of any part of the sky, to superimpose entries from astronomical catalogues, and to access related data and information from Simbad, VizieR and other archives and services.	V5 (February 2008)	Standalone version	Manual
	VODesktop: A desktop application for working with the Virtual Observatory. It can explore data resources, query remote catalogs, and construct workflows to automate tasks.	1.2.0 (October 2008)	Download Page	How to
	Datascope: A Web Service for discovering and exploring data in the Virtual Observatory from archives and data centres around the world.	V2.1 (March 2007)	Web Service	How to
	SPECTRAL ANALYSIS			
	VOSpec: A multiwavelength spectra analysis tool, with access to both Spectral services (SSAP) and Theoretical Spectral services (TSAP).	V5.0 (March 2009)	Webstart	Manual
	SPLAT: A spectra analysis tool.	Version: 3.8-9 (March 2009)	Download Page	How to
	Specview: 1-D spectral visualization and analysis	2.14.3 (February 2009)	Download Page or Run Applet	Examples Tutorials
	Euro3D: Analyse datasets in Euro3D FITS format.		Launch Java Webstart or Java applet	
	DATA VISUALISATION AND DATA HANDLING			
	Topcat: An interactive graphical viewer and editor for tabular data. It understands a number of different astronomically important formats (including FITS and VOTable) and more formats can be added.	3.4-1 (March 2008)	Download Page	Manual
	STILTS: The STIL Tool Set is a set of command-line tools that deal with the processing of tabular data.	2.0-2 (January 2009)	Download Page	Manual
	VOPlot: A tool to visualise astronomica data.	1.5 Beta	Download Page or Webstart stable version	
	VisIVO: A visualisation and analysis software for astrophysical data. VisIVO can handle both observational and theoretical data.	1.5.1 (October 2008)	Download Page	How to
	VOStat: Apply simple and sophisticated statistical routines on large datasets.	1.0 beta	Interactive web form or Download Page	
	SED BUILDING AND FITTING			
	VOSA: VO SED Analyzer.	Version 1.0.1 (September 2008)	Web Service	
	VOSED: SED Builder & Fitting Tool.	Version 1.0 (February 2009)	Web Service	
	Yafit: An SED fitting tool.	V0.1b (February 2007)	Download Page	Manual

IVOA Applications Working Group

Also visit the Applications Working Group pages on the IVOA twiki, where you can find more VO applications in different levels of maturity.

Historical Software

AVO Prototype

A tool that allows Image manipulation of resources from within the VO. Other utilities can be accessed from the tool. It was used at the latest AVO Demonstration in 2005. This tool was based on an earlier version of Aladin (see above)

co-funded project