
Subject: GDL 0.8.8 released...

Posted by [m_schellens](#) on Tue, 15 Feb 2005 07:55:19 GMT

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...with lots of new subroutines, several improvements and important bug fixes.

GDL - GNU Data Language, an IDL 6.0 compatible incremental compiler (capable of running programs written in IDL).

Version: 0.8.8

New routines (overall more than 240 subroutines implemented):

PLOTS, XYOUTS (both 2D only), OBJ_CLASS, OBJ_ISA, N_TAGS, SWAP_ENDIAN, BYTSCL, BYTEORDER, SETENV, GETENV, STRUCT_ASSIGN, GETENV, STREGEX, TAG_NAMES.

For a sorted list of all implemented subroutines enter HELP,/LIB at the command prompt.

FEATURES:

FULL syntax compatibility with IDL 6.0

ALL IDL language elements are supported, including:

- _EXTRA, _REF_EXTRA and _STRICT_EXTRA keywords,
- Objects, Pointers, Structs,
- Common blocks, Assoc variables,
- Arrays, System variables,
- All operators, All data types...

Compiles on Linux and Mac OS X (10.2, 10.3, with g++ 3.3)

The file input output system is fully implemented

(Exception: For formatted I/O the C() sub-codes are not supported yet)

Most image file formats (jpeg, tiff, ...) are supported.

netCDF files are fully supported.

HDF file support.

Basic HDF5 file support.

READFITS and WRITEFITS from the IDL-Astrolib are working.

Graphical output is partially implemented. The PLOT, OPLOT, PLOTS, XYOUTS and TV commands (along with WINDOW, WDELETE, SET_PLOT, WSET, TVLCT) work (important keywords, some !P system variable tags and

multi-plots are supported) for X windows and postscript output.

A GUI (widgets) is not implemented yet.

HOME PAGE:

<http://gnudatalanguage.sourceforge.net>

DOWNLOAD:

<http://sourceforge.net/projects/gnudatalanguage/>

Gaurav Khanna provides binaries for Mac OS X on his HPC page:

<http://hpc.sourceforge.net>

Check it out!

marc
