
Subject: GDL version 0.9pre5 released

Posted by [marc schellens\[1\]](#) on Sat, 07 Jul 2007 16:49:44 GMT

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GDL - GNU Data Language, an IDL 6.0 compatible incremental compiler.

Now available:

Version 0.9pre5, with many new subroutines, speedups and bug fixes

OVERVIEW OF GDL 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

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

netCDF files are fully supported.

HDF file support.

Basic HDF5 file support.

SAVE and RESTORE support through Craig Markwardt's CMSVLIB library.

Support for DICOM files (GDLffDICOM object from Robbie Barnett).

SOCKET support.

More than 330 library routines are implemented.

For a list enter HELP,/LIB at the command prompt.

Alain Coulais maintains a list of available routines in GDL:

http://aramis.obspm.fr/~coulais/IDL_et_GDL/Matrice_IDLvsGDL_intrinsic.html

Graphical output is partially implemented. The PLOT 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
