
Subject: Announcing GDL 0.8.3

Posted by [marc schellens\[1\]](#) on Wed, 28 Jul 2004 07:34:01 GMT

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GDL - GNU Data Language, an IDL 6.0 compatible incremental compiler.
Version: 0.8.3

NEWS:

- more complete HDF support (thanks to Joel Gales)
- better support for complex data (CONJ and IMAGINARY)

HOME PAGE:

<http://gnudatalanguage.sourceforge.net>

DOWNLOAD:

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

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

<http://hpc.sourceforge.net>

For those who haven't heard of GDL before:

FEATURES:

Full syntax compatibility with IDL 6.0

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

All(!) IDL language elements are supported, including:

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

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.

Overall more than 150 library routines are implemented (among them the EXECUTE function). For a list enter HELP,/LIB at the command prompt.

Graphical output is partially implemented. The PLOT command (along with WINDOW, WDELETE, SET_PLOT, WSET, TVLCT) works (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.

Check it out!

marc
