Subject: GDL 0.8.7 is out
Posted by marc schellens[1] on Fri, 14 Jan 2005 09:49:09 GMT

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(Already since December 15th, but I had no chance to post before.)

GDL - GNU Data Language, an IDL 6.0 compatible incremental compiler
(capable of running programs written in IDL).
Version: 0.8.7

NEWS:

OPLOT (thanks to Christopher Lee), REBIN, ...
There is now a screenshot at the homepage.

FEATURES:

FULL syntax compatibility with IDL 6.0

ALL IDL language elements are supported, including:
    _EXRA, _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.

More than 220 library routines are implemented (among them the
EXECUTE function). For a sorted list enter HELP,/LIB at the command prompt.

Graphical output is partially implemented. The PLOT, OPLOT 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 implemeted yet.

HOMEPAGE:

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