Subject: GDL 0.8.6 is out

Posted by marc schellens[1] on Mon, 22 Nov 2004 03:08:00 GMT

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GDL - GNU Data Language, an IDL 6.0 compatible incremental compiler.
Version: 0.8.6

NEWS:
Very fast CONVOL function.
Logging of complete GDL sessions with the JOURNAL procedure (thanks to
Christopher Lee).

GDL 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 list enter HELP,/LIB at the command prompt.

Graphical output is partially implemented. The PLOT and TV commands
(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 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