Subject: GDL 0.8.9 released

Posted by marc schellens[1] on Fri, 22 Apr 2005 10:45:25 GMT

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GDL - GNU Data Language, the free IDL clone

Now with z-buffer device, new subroutines, many improvements,
important bug fixes...

GDL now understands main programs and the .RUN command :-)

New routines (overall more than 250 subroutines implemented):

SPAWN, WAIT, FINITE, ROUTINE_INFO, TEMPORARY, DIST, TVSCL

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:
    _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)
GDL is part of the Fink project (http://fink.sourceforge.net)

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, SURFACE 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, z-buffer 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