Subject: GDL 0.8.5 runs READFITS WRITEFITS
Posted by marc schellens[1] on Thu, 16 Sep 2004 05:20:45 GMT
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GDL - GNU Data Language, an IDL 6.0 compatible incremental compiler.
Version: 0.8.5

NEWS:

- Due to a few new routines (and one important bug fix),
  GDL compiles and runs now WRITEFITS and READFITS from
  the IDL astronomy user's library.

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

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,
_EXRA, _REF_EXTRA and _STRICT_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.
Basic HDF5 file support.

Overall more than 210 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.

Check it out!

marc