
Subject: Announcing GDL 0.7.2, now with python support
Posted by [marc schellens\[1\]](#) on Wed, 14 Apr 2004 08:56:08 GMT
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GDL - GNU Data Language, an IDL 6.0 compatible incremental compiler.
Version: 0.7.2

Now with python support: Python functions can be called from within
GDL. See the file PYTHON.txt for details.

Furthermore several library functions were added (some written in GDL
(see gdl/pro subdirectory, by Christopher Lee). Now the color of plots
can be changed (TVLCT procedure).

Please read the README file for more details and installation
instructions.

This release also fixes several bugs. See the ChangeLog file for details.

The API for library functions was extended and cleaned up (gdl/envt.hpp).

DOWNLOAD:

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

FEATURES (for those who haven't heard of GDL before):

Full syntax compatibility with IDL 6.0

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)

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.

So far only a subset of all library routines is implemented (among them the EXECUTE function). For a list enter HELP,/LIB at the command prompt.

GUI (widgets) are not implemented yet.

Check it out!

marc
