Subject: Announcing GDL 0.8, now with netCDF support

Posted by marc schellens[1] on Tue, 04 May 2004 06:36:24 GMT

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GDL - GNU Data Language, an IDL 6.0 compatible incremental compiler.
Version: 0.8

The netCDF file format is now fully supported (thanks to Christopher Lee).

Several library functions were added.

Along wiht some necessary internal changes to the compiler/interpreter
several bugs were fixed, output (formatted and unformatted) has
improved. See the ChangeLog file for details.

The installation procedure is now more straight forward (thanks to Craig
Markwardt). Please see the README file for more details and installation
   instructions.

I also set up a simple
HOMEPAGE:

http://gnudatalanguage.sourceforge.net

DOWNLOAD:

http://sourceforge.net/projects/gnudatalanguage

For those who haven't heard of GDL before:
FEATURES:

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,
_EXRA 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)

netCDF files are fully supported.

Overall more than 120 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 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.

GUI (widgets) are not implemeted yet.

Check it out!

marc

Subject: Re: Announcing GDL 0.8, now with netCDF support
Posted by Bruce Bowler on Thu, 06 May 2004 19:24:02 GMT
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On Thu, 06 May 2004 21:40:36 +0900, Marc Schellens put fingers to keyboard
and said:

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>>> Markwardt). Please see the README file for more details and installation
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>>
>>
>> [snip]
>>
>> I was able to build 0.7 on my machine without issue. 0.8 won't build
>> because it requires automake 1.4 (which was released in 2000). My machine
>> has 1.6 and I see that 1.8 is now (within the last week) available.
>>
>> I'm not an "automake" expert by ANY stretch of the imagination, nor do I
>> feel it's "right" to critizise free software, but I certainly would have

>> hoped that new software would use relatively modern tools.
>
> This old version of automake was used, because GDL is already developed
> for a while, and with switching to a new version of automake, several
> configuration files had to be changed also.
> As I had automake 1.4 installed I did not notice any problem.
>
> Anyway, I switched to a recent version of automake (1.7.9 but 1.6 might
> work also). Actually using the automake stuff from KDevelop 3, GDL now
> uses a completely new suite of autoconf files.
> Check out the 0.8.1 release from
> http://sourceforge.net/projects/gnudatalanguage/
> The only changes to 0.8 are the new automake stuff along with the
> README and INSTALL updated accordingly.

builds fine now... One of these days I hope to get around to actually
contributing some useful code rather than just moaning about what doesn't
work...

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 +------------------+-------------------------------------- ------------+
Bruce Bowler | When firmness is sufficient rashness is
1.207.633.9600 | unnecessary. - Napolean
bbowler@bigelow.org |
 +------------------+-------------------------------------- ------------+