Subject: IDLWAVE 4.6

Hello IDLWAVE/Emacs users,

I have uploaded version 4.6 of IDLWAVE. You can get it as usually at

http://www.strw.leidenuniv.nl/~dominik/Tools/idlwave

There are two important user-visible changes:

1. IDL 5.4 update

   Routine Info and Online Help are up to date with IDL 5.4. There is
   also support for the new SWITCH/BREAK/CONTINUE statements in
   idlwave-mode. Support for these includes fontification, templates
   and abbreviations.

2. IDLWAVE-Shell is more xterm-like

   Just like in an x-terminal, the UP and DOWN arrows make the cursor
   jump to the current command line and operate the command history.
   Several of you have asked for this change, and it is now the
   default.
   If you prefer the old behavior, use this setting:

     (setq idlwave-shell-arrows-do-history nil)

   There is also an intermediate setting where the arrows walk the
   history only if the cursor is in the current command line. If you
   have left the command line and scrolled back to view some old
   output, the arrow keys simply move the cursor.

     (setq idlwave-shell-arrows-do-history 'cmdline)

Here is the full list of changes:

Revision 4.6
============
   - Shell window more like xterm:
     - show as much output as possible
     - up and down arrows do history stuff (see new variable
       idlwave-shell-arrows-do-history).
   - Routine info and help files updated to IDL 5.4

- Support for the new IDL statements (SWITCH, BREAK, CONTINUE)
- File name completion in strings in buffers, similar to the shell.
- Bugfix for shell printing of identifiers with `!' and `.'
- END is replaced by ENDIF etc already when indenting a line with TAB.
- Routiine info and source lookup switch to INIT automatically when
  the cursor is in keyword section of an OBJ_NEW call.

- Fixed file name completion with a dash in file names.
- Font-lock enhancements in structure definitions: Structure name
  and tag names.
- Fixed bug with parsing of routine definition if comment lines are
  scallered between continuation lines.
- `idlwave-close-block' and `idlwave-abbrev-change-case'
  interaction bug fixed.
- Fixed bug with getting system variable info from the Shell under
  IDL5.2 and earlier. Used to produce a compilation error, now
  just silently fails.

Thanks to those of you who reported problems or sent other comments.

Enjoy!

- Carsten

Subject: Re: IDLWAVE 4.6
Posted by Craig Markwardt on Wed, 06 Dec 2000 08:00:00 GMT
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davidf@dfanning.com (David Fanning) writes:
> And this damn Linux thing is starting to irritate me,
> a sure sign that I have enough interest to persevere.
> After all, being willing to spend the 10 days it takes to do
> something that will eventually take someone else 10 minutes
> is how you become an expert.

Hey David--

Sometimes perseverence has nothing to do with it. Sometimes you just
need professional help. This is not a slight on you by any means.
:-) Linux on laptops, linux on newer hardware, linux in dual boot
situations, these all require special knowledge that is hard to
acquire through book-larnin'. Installing Linux can be like building a
computer from components: all the parts are usually of high quality
and easily accessible, but it can be easy to screw up.

Take Randall up on his offer. :-)

Craig

--
 -- --------------
Craig B. Markwardt, Ph.D.   EMAIL: craigmnet@cow.physics.wisc.edu
Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response
 -- --------------

Subject: Re: IDLWAVE 4.6
Posted by davidf on Wed, 06 Dec 2000 08:00:00 GMT
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Pavel A. Romashkin (pavel.romashkin@noaa.gov) writes:

> No luck for me trying to get emacs running. I only spent two days on it,
> maybe 10 is what it takes. I guess it has to do with that missing
> "knowledge base" :-(

Lord knows I appreciate the importance of a "knowledge base".
I was the one, you recall, who spent 100 hours writing the first
object graphics plot program. :-(

And this damn Linux thing is starting to irritate me,
a sure sign that I have enough interest to persevere.
After all, being willing to spend the 10 days it takes to do
something that will eventually take someone else 10 minutes
is how you become an expert.

Cheers,

David

P.S. But just don't talk to me for the next 5 days! :-(

--
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Coyote's Guide to IDL Programming: http://www.dfanning.com/
Toll-Free IDL Book Orders: 1-888-461-0155

Subject: Re: IDLWAVE 4.6
Posted by Pavel A. Romashkin on Wed, 06 Dec 2000 08:00:00 GMT
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Carsten Dominik wrote:

> Have you been able to install IDLWAVE by now? If not, where are the
> problems.?

I too appreciate the effort that you, Carsten, put into this. It is so
nice to read about how others like it :-(

No luck for me trying to get emacs running. I only spent two days on it,
maybe 10 is what it takes. I guess it has to do with that missing
"knowledge base" :-(

Cheers,
Pavel

Subject: Re: IDLWAVE 4.6
Posted by Pavel A. Romashkin on Fri, 08 Dec 2000 21:35:54 GMT
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Huray! I got a breakthrough in my use of Emacs. This time, thoroughly
intrigued by all happy discussions of how great
idlwave-tell-it-to-write-code is, in only 2.5 hrs I got Emacs to run and
compile the .el files. As I, holding my breath, typed "M-x
idlwave-shell", a beep and informative "multiprocessing is not
supported" message hit me. Bummer. I am afraid I am not switching to
LinuxPPC just to run Emacs after David's recent exercise in that area :-(

Cheers,
"Sticking to that IDL-DE" Pavel

Subject: Re: IDLWAVE 4.6
Posted by dominik on Sun, 10 Dec 2000 12:26:14 GMT
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>>>> > "PAR" == Pavel A Romashkin <pavel.romashkin@noaa.gov> writes:

PAR> Huray! I got a breakthrough in my use of Emacs. This time, thoroughly
PAR> intrigued by all happy discussions of how great
PAR> idlwave-tell-it-to-write-code is, in only 2.5 hrs I got Emacs to run and
PAR> compile the .el files. As I, holding my breath, typed "M-x
PAR> idlwave-shell", a beep and informative "multiprocessing is not
PAR> supported" message hit me. Bummer. I am afraid I am not switching to
PAR> LinuxPPC just to run Emacs after David's recent exercise in that area :-(

I guess this has never been stated clearly enough:

IDLWAVE is a system that consists of two parts. A mode for *editing*
IDL source code, and a mode for *running* IDL as an Emacs subprocess.

Editing source files requires only a working version of Emacs.

However, to run IDL as a subprocess, you need additional things.

1. A multiprocessing operating system, like UNIX, Windows, MacOS
2. Emacs support for subprocesses. I know this is available on UNIX
   and Windows, but I don't know where else.
3. A *command line* version of IDL. As far as I know this exists only
   for UNIX. There have been claims that it should be relatively easy
   to make a small program which would *function* like a command-line
   IDL on Windows, but I have not seen such a program yet.

In short: You can edit files with IDLWAVE on any system running Emacs
20.x or XEmacs 20.x, 21.x. But to use the shell, you need a UNIX
system.

- Carsten

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