
Subject: Re: replacement for insight
Posted by [David Fanning](#) on Thu, 22 Aug 2002 03:17:53 GMT
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Dan Blair (vze2p88d@verizon.net) writes:

> I think I know why it was removed, i.e. some problems with gif formats.

Yeah, I think that was it. ;-)

> Will there
> ever be a tool for making plots, and their elements objects.

Uh, well, have you tried MPI_PLOT? That makes pretty good plots and the innards are written as objects, although the outward appearance has been disguised so the riff-raff isn't put off.

http://www.dfanning.com/programs/mpi_plot.zip

> Also, is there a tool for keeping projects together
> in some organized fashion, a la a tool like igor or origin that is built
> into IDL currently?

I'm not trying to offend JD here, but the IDLDE does a pretty good job of keeping projects together, although it takes a bit of getting used to. I use it to manage all of my big projects. And, of course, there is always that wonderful EMACS editor with the IDL-WAVE mode that everyone raves about. I'd try that if I wasn't too old to learn something new. :-)

Cheers,

David

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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: replacement for insight
Posted by [Dan Blair](#) on Fri, 23 Aug 2002 02:26:05 GMT
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David Fanning wrote:

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> Uh, well, have you tried MPI_PLOT? That makes pretty good
> plots and the innards are written as objects, although the
> outward appearance has been disguised so the riff-raff isn't
> put off.
>
> http://www.dfanning.com/programs/mpi_plot.zip

I just gave it a try, and thank you. This will come in very handy. I'm glad I didn't spend hours making one for myself.

I do have one small question. Is there an option that I am missing for connecting discrete points in an /Overplot? I put in a little kludge of my own to just get a plot made, but I'm sure that there is just something that I am missing.

Best,

Dan Blair

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=====
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Subject: Re: replacement for insight
Posted by [David Fanning](#) on Fri, 23 Aug 2002 03:43:33 GMT
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Dan Blair (vze2p88d@verizon.net) writes:

> I do have one small question. Is there an option that I am missing for
> connecting discrete points in an /Overplot? I put in a little kludge of
> my own to just get a plot made, but I'm sure that there is just
> something that I am missing.

Humm. No, you aren't missing anything. I think you are just the first person who has ever downloaded and used the darn thing. :-)

Well, now. Connecting the symbols with lines is not as straightforward as it might appear. I had to do some work to get it to work correctly with the regular plot. I just didn't think about the overplot,

because that is not how I use it.

My typical policy is to have a program fixed about 10 minutes after the problem is brought to my attention, but my life is totally out of control at the moment. (In fact, all three kids have made an appearance in the past five minutes wanting something or other.) Maybe this weekend. I'll let you know. :-)

Cheers,

David

--

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Subject: Re: replacement for insight

Posted by [Pavel A. Romashkin](#) on Mon, 26 Aug 2002 15:44:34 GMT

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David Fanning wrote:

>

> Well, now. Connecting the symbols with lines is not
> as straightforward as it might appear. I had to do
> some work to get it to work correctly with the
> regular plot. I just didn't think about the overplot,
> because that is not how I use it.

Uh. I did look at the code (I DID download it), but finding no objects in the main routine I got disappointed :-)

The simplest thing that occurs to me to connect symbols with lines is to plot the data twice with PSYM and without. However, I find it strange that negative PSYMs are not honored by the program as it seems straightforward through keyword inheritance.

In the view of these shortcomings from The Expert, I dare to offer the updated (recently updated, namely last friday) DISPLAY.

http://www.ainaco.com/idl/idl_library/display.pro

Additions:

1. Use of DISPLAY as main graphics child in a widget program improved; plots replacement is enforced unless /OVER is used.
2. Text positioning and dragging with the mouse improved in both data coords (scalable) and on-glass (static).
3. CONTOUR has been added but is of limited use because of lack of labeling. Will add color bar soon to make Contour more useful (already

have a request for that).

4. Description updated with new keywords listed.

And yes, PSYM with or without lines works, in plot or overplot mode. And DISPLAY does scale a plot if newly appended data extend past the existing axes ranges (unless you set KEEP_SCALE keyword :-) And it is a single file, not a folder full of them :-) Uh, did I mention linking of several DISPLAY plots in different windows using a ROI feature? It is shown at

http://www.ainaco.com/idl/idl_library/display.html

Good luck,

Pavel

P.S. Geez, it is getting almost too good to give away for free :-)
