Subject: Re: oplot problem
Posted by davidf on Fri, 05 Nov 1999 08:00:00 GMT
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Kristine Hensel (kdhensel@earthlink.net) writes:

> I'm running IDL version 5.1.1 under Solaris, and I'm having problems
> with flaky behavior of oplot.
>
> For example, when I run the following ...
>
> !p.multi = [0,1,2]
>
> loadct, 39 ; Load Rainbow color table
>
> ; Plot to n/2; higher indices contain
> ; aliased frequencies:
> plot, abs(fft_padded_bz[0:n/2]), charsize=2, ticklen=-0.02 ; Plot 1
> oplot, abs(no_peak_fft[0:n/2]), color=30
>
> plot, time_vector, bz, charsize=2 ; Plot 2
> oplot, flat_bz, color=35
> oplot, inverse_fft, color=60
>
> ... the first plot has 2 signals and the second plot has only 1. I've
> run into invisible oplots before, and never figured it out.
>
> Is there an obvious reason for this problem?

I'm just going to guess that the values of flat_bz
and inverse_fft lie outside the bounds of the plot
set up in the PLOT command. That is just about the
only reason you won't see anything on your plot. :-)

Cheers,

David
--
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Fanning Software Consulting
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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: oplot problem
Posted by Joe Means on Fri, 05 Nov 1999 08:00:00 GMT

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> Thanks,
> Kristine
>
> Kristine Hensel Phone: (303) 497-1539
> High Altitude Observatory/NCAR E-mail: hensel@ucar.edu
> P.O. Box 3000 Office: FL2 3070
> Boulder, CO 80307-3000

Howdy, How about looking at the values you are trying to plot. Perhaps with something like:

```
print, bz[0:10]
print, flat_bz[0:10]
print, inverse_fft[0:10]
```

The values in bz set the limits on the Y axis. Perhaps flat_bz[0:10] and inverse_fft[0:10] are outside these values?

Joe Means

File Attachments
1) means.vcf, downloaded 72 times

Subject: Re: oplot problem
Posted by Kristine Hensel on Fri, 05 Nov 1999 08:00:00 GMT
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William Thompson wrote:
>
> Hmmm, should the oplot command be
>
> oplot, time_vector, flat_bz, color=35
> ^^^^^^^^^^

The x argument is optional for oplot - in fact, I'd kind of convinced myself that it wasn't allowed.

Anyway, I tried putting in the x argument, and the oplots were still invisible. >:(

Thanks anyway!

Kristine

Subject: Re: oplot problem
Posted by thompson on Fri, 05 Nov 1999 08:00:00 GMT
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```
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        ^^^^^^^^^^^
```

I've often made the same mistake myself. :^)

William Thompson
