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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Subject: Re: oplot problem

David Fanning, Ph.D.

Fanning Software Consulting

Posted by Joe Means on Fri, 05 Nov 1999 08:00:00 GMT

Coyote's Guide to IDL Programming: http://www.dfanning.com/

Kristine Hensel wrote:

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                       ; Plot to n/2; higher indices contain
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                       : aliased frequencies:
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    plot, abs(fft_padded_bz[0:n/2]), charsize=2, ticklen=-0.02; Plot 1
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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

1) means.vcf, downloaded 83 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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- oplot, abs(no peak fft[0:n/2]), color=30

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- > ... 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.
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Hmmm, should the oplot command be

oplot, time\_vector, flat\_bz, color=35

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

William Thompson