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

Toll-Free IDL Book Orders: 1-888-461-0155

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Subject: Re: oplot problem

Posted by [Joe Means](#) on Fri, 05 Nov 1999 08:00:00 GMT

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Kristine Hensel wrote:

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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 129 times

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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

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Subject: Re: oplot problem

Posted by [thompson](#) on Fri, 05 Nov 1999 08:00:00 GMT

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Kristine Hensel <[kdhensel@earthlink.net](mailto:kdhensel@earthlink.net)> writes:

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```
oplot, time_vector, flat_bz, color=35
  ^^^^^^^^^^^
```

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

William Thompson

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