
Subject: Re: 2 plotting questions

Posted by [David Fanning](#) on Fri, 12 Feb 2010 13:40:39 GMT

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will.flanagan writes:

- > I have 2 questions with regards to plotting. I hope that these are not
- > too basic:
- >
- > 1. How do you make the plotting grid more thick when using a simple
- > 'plot' procedure? I see how to make characters and lines thicker with
- > the 'thick' and 'charthick' keywords, but I don't see how to make the
- > axis thicker.

Use XThick, YThick, etc. Or, !X.Thick, !Y.Thick, etc.

- > If it is relevant, I am plotting to postscript and I want the plots to
- > show up better in presentations.

Oh, well, then use PS_Start. All this is then done automatically. ;-)

http://www.dfanning.com/graphics_tips/weboutput.html

- > 2. Completely unrelated - In the plot labels, I wish to use more
- > sophisticated symbols, such as a character with a ~ above or a
- > character with both a subscript and superscript which are not offset.
- > Are there any easy ways to do this in IDL?

It depends on whether you can find these characters in a font-set somewhere. If you can, it is fairly easy. If you can't, then it is not so easy.

http://www.dfanning.com/graphics_tips/numlabel.html

Cheers,

David

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David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: 2 plotting questions

Posted by [will.flanagan](#) on Sat, 13 Feb 2010 00:04:37 GMT

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Thanks David,

If I may ask one follow up question on plotting:

Is it possible to choose which values are displayed on a given axis?

Let me elaborate with an example... I am doing a 'plot_io' (y logarithmic) with 'yrange=[50,3500]' and 'ystyle=1' (to override the IDL default range). IDL labels the y-axis at y=100 and y=1000. Is there a way to ask IDL to also put labels at y=50 and y=3000 without adding them by hand (xyouts)?

I appreciate the help!
Will

Subject: Re: 2 plotting questions

Posted by [David Fanning](#) on Sat, 13 Feb 2010 00:11:32 GMT

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will.flanagan writes:

> Is it possible to choose which values are displayed on a given axis?
>
> Let me elaborate with an example... I am doing a 'plot_io' (y
> logarithmic) with 'yrange=[50,3500]' and 'ystyle=1' (to override the
> IDL default range). IDL labels the y-axis at y=100 and y=1000. Is
> there a way to ask IDL to also put labels at y=50 and y=3000 without
> adding them by hand (xyouts)?

I'm grateful you have given up looking for "easy" solutions. ;-)

Yes, it is possible, but you have to futz around a bit.
Here is an article:

http://www.dfanning.com/graphics_tips/minorlog.html

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Sepore ma de ni thue. ("Perhaps thos speakest truth.")

Subject: Re: 2 plotting questions
Posted by [will.flanagan](#) on Sun, 14 Feb 2010 18:52:25 GMT
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David - thanks for all of the great suggestions and links!

Will
