Subject: Re: A possible bug in IDL 8.2.3
Posted by dg86 on Sat, 08 Jun 2013 12:37:28 GMT
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On Saturday, June 8, 2013 8:21:51 AM UTC-4, Xin Tao wrote:
> Maybe you're right. However in IDL 8.2.2, the two lines in my first post will just give I what I wanted. So the behaviour of overplot actually changed with the release of 8.2.3.
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> Xin
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> On Saturday, June 8, 2013 3:51:20 PM UTC+8, alx wrote:
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>> Le samedi 8 juin 2013 09:15:24 UTC+2, Xin Tao a écrit :
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>>> Hi Chris,
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>>> Thanks for your reply. The main purpose here is to set the YRANGE and make all plots obey the YRANGe set by a. I tried your second method, but I need to use the following three lines to get a "normal" plot
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>>> IDL> a=plot([0,1,3])
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>>> IDL> b = plot([-1,1,2],/overplot)
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>>> IDL> c=plot([-1,1,3],/overplot, yrange=[0,3])
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>>> If I put yrange keyword in b, it doesn't help at all. Part of the line of b is still outside the box. I have to use the third plot c to set the yrange to a value I want. This of course solved my issue, but it's very strange that I have to use three lines to achieve this.
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>>> On Saturday, June 8, 2013 12:03:26 PM UTC+8, Chris Torrence wrote:
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>>>> On Friday, June 7, 2013 8:39:57 PM UTC-6, Xin Tao wrote:
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>>>> > I don't know whether this is a bug or not, but the behaviour of the following two lines is not what I expected
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>>>> > IDL> a=plot([0,1,3],yrange=[0,3])
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>>>> > IDL> b = plot([-1,1,2],/overplot, 'g')
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>>>> > The line of b will go outside the plotting box, because it tried to get to -1, but the yrange is limited to be [0,3] by a.
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>>>> > Please let me know whether there is anything I can do about it.
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>>>> Hi Xin,
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>>>> I would recommend either not setting the YRANGE, or, just setting the Yrange after you add the second plot. Either way should get you what you want.
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>> My understanding is that OVERPLOT keyword in NG *does not* work like the OPLOT of DG. Indeed, by using OVERPLOT=gr (or 1), you will mix the added plot with the 'gr' (or current) one, but without necessarily retaining the initial plot axes.
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>> To get what you want, you must do a true overlay as follows:
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>> IDL> a = plot([0,1,3],yrange=[0,3])
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>> IDL> b = plot([-1,1,2], POSITION=a.POSITION, YRANGE=a.YRANGE, /CURRENT, 'g')
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>> alx.

I agree with Xin that the new behavior is less desirable that the old. If I set the range in the original plot, then I probably want to keep that range as I build up the graphic. I wonder if this new behavior is related to the issue of plotting speed for complicated graphics that arose over 8.2.2.

David