
Subject: reversing axes ranges with IDL 8 graphics
Posted by [Ryan Goldsbury](#) on Tue, 15 Oct 2013 23:38:28 GMT
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I've recently tried to transition from the old style of plotting to the "function graphics" introduced in IDL 8. I very quickly ran into a problem of not being able to recreate plots that were very simple to handle under the previous system.

```
x=findgen(101)*2*!pi/100  
y=sin(x)
```

```
plot,x,y,xrange=[0,2*!pi],yrange=[-1,1],psym=3
```

If I wanted to reverse the direction of the y-axis, this was very simple, and covered here http://www.idlcoyote.com/graphics_tips/reverse_y.html :

```
plot,x,y,xrange=[0,2*!pi],yrange=[1,-1],psym=3
```

But when I try do this with IDL 8 graphics, the order of the two-element yrange vector seems to be irrelevant as these two commands produce identical plots:

```
p=plot(x,y,xrange=[0,2*!pi],yrange=[1,-1],'.')  
p=plot(x,y,xrange=[0,2*!pi],yrange=[-1,1],'.')
```

Is there a simple way to reverse axes directions like this using the new system?

Subject: Re: reversing axes ranges with IDL 8 graphics
Posted by [David Fanning](#) on Tue, 15 Oct 2013 23:50:43 GMT
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Ryan Goldsbury writes:

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>  
> Is there a simple way to reverse axes directions like this using the new system?
```

Ah, yes, I remember this was incredibly simple:

http://www.idlcoyote.com/ographics_tips/axis_reverse.html

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

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

Subject: Re: reversing axes ranges with IDL 8 graphics

Posted by chris_torrence@NOSPAM on Thu, 17 Oct 2013 03:38:57 GMT

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Hi Ryan,

Which version of IDL 8.0 are you using? I just tried your example in IDL 8.2.3 and it seems to work fine. The plot is indeed reversed.

There were a few bugs with this in 8.0, but I think most of them got fixed by IDL 8.1.

Hope this helps.

Cheers,

Chris

ExelisVIS