Subject: reversing axes ranges with IDL 8 graphics
Posted by Ryan Goldsbury on Tue, 15 Oct 2013 23:38:28 GMT

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?