
Subject: Re: in multiplot to have common xaxis

Posted by [Helder Marchetto](#) on Tue, 04 Oct 2016 10:30:45 GMT

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On Tuesday, October 4, 2016 at 12:18:36 PM UTC+2, gunvi...@gmail.com wrote:

> On Tuesday, October 4, 2016 at 3:06:53 PM UTC+5:30, Craig Markwardt wrote:

>> On Tuesday, October 4, 2016 at 5:33:36 AM UTC-4, sid wrote:

>>> On Tuesday, October 4, 2016 at 2:16:52 PM UTC+5:30, Helder wrote:

>>>> On Tuesday, October 4, 2016 at 10:34:06 AM UTC+2, sid wrote:

>>>> > Hi,

>>>> > I need to plot time vs four other parameters. Xaxis will be time. So I am using the multiplot.pro for this purpose. But i want only once the Xaxis value to be displayed for the bottommost plot.

>>>> >

>>>> > How do we do that, can anybody give some tips.

>>>> >

>>>> > thanks

>>>>

>>>> Have a look at David's gallery:

>>>> <http://www.idlcoyote.com/gallery/index.html>

>>>> Look for ladder plot. That might be what you're looking for. If not, then you must explain better how it should look like.

>>>>

>>>> In general you are looking at the "overplot"-ing. This is ok as long as the 4 vars have similar y values. Here is an example in FG:

>>>>

>>>> pp = plot(/test)

>>>> ppr = pp.xrangle

>>>> xx = findgen(201)

>>>> yy = sin(!pi*xx/100.0)

>>>> op = plot(xx,yy,'r',overplot=pp)

>>>>

>>>> Cheers,

>>>> Helder

>>>

>>> I have different xaxis ranges say for example

>>> plot1 x=[14.2,14.4,14.6,14.8]

>>> y=[1.2e8,1.3e8,1.4e8,1.5e8]

>>>

>>> plot2 x=[14.0,14.1,14.2,14.3,14.4,14.5]

>>> y=[10,20,30,40,50,60]

>>>

>>> I need to put both plot1 and plot2 as multiplot with one xaxis.

>>> thanks

>>

>> Your data have different ranges, but you get to chose the XRANGE (with the XRANGE) keyword.

>

> I want the xaxis only at the bottommost plot, top plots i dont want the xaxis to be displayed.

Given no further specifications, why not this:

```
x1=[14.2,14.4,14.6,14.8]
y1=[1.2e8,1.3e8,1.4e8,1.5e8]
x2=[14.0,14.1,14.2,14.3,14.4,14.5]
y2=[10,20,30,40,50,60]
p1 = plot(x1,y1, /ylog)
p2 = plot(x2,y2, 'r', overplot=p1)
```

Otherwise, have a look at example 3 here:

http://www.harrisgeospatial.com/docs/plot_2d.html

Cheers,
Helder
