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.xrange
>>>> 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
