Subject: Re: multi plot with superposed axis
Posted by pgrigis on Wed, 01 Sep 2010 15:13:05 GMT
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On Sep 1, 10:29 am, bing999 <thibaultga...@gmail.com> wrote:
> Ok, thanks a lot. I use IDL 7.
>
> It works but bothers me now, is the size. Each plot is a bit elongated
> in the horizontal direction and i'd like to make it more "squared'. By
> the way, how to make the whole plot bigger ?
>
>> On Sep 1, 5:31 am, bing999 <thibaultga...@gmail.com> wrote:
>
>>> Hi,
>
>>> I would like to make a plot containing 4 figures, displayed in 2x2, so
>>> that the axis are superposed. (that is to say, in the left column for
>>> instance, the top horizontal axis of the bottom figure is stacked to
>>> the bottom horizontal axis of the top figure)
>
>>> Is there a way to do that ?
>>> Thank you!
>
>> What version of IDL do you use? In IDL 7, use MULTIPLOT from the NASA
>> IDL library. In 8, use the layout and /current keywords to your
>> plots, and set margin=0 on all of them.
>
>

In my experience, to get best results it is better to bite the bullet
and just use the position parameter to plot manually. That ensures
that
the plots are positioned just the way you need them.

For instance I would do something like:

xrange=[2,7]
x=findgen(10)
y1=x^2
y2=sqrt(x)

plot,x,y1,xrange=xrange,position=[0.1,0.1,0.9,0.5]
plot,x,y2,xrange=xrange,position=[0.1,0.5,0.9,0.9],/
noerase,xtickn=replicate(' ',30)

Of course you may want to fine tune the y tick labels so they do not
collide.

Ciao,
Paolo