
Subject: Re: multi plot with superposed axis
Posted by [Gray](#) on Wed, 01 Sep 2010 10:13:40 GMT
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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)
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> Is there a way to do that ?
> Thank you!

What version of IDL do you use? In IDL 7, use MULTILOT from the NASA IDL library. In 8, use the layout and /current keywords to your plots, and set margin=0 on all of them.

Subject: Re: multi plot with superposed axis
Posted by [Thibault Garel](#) on Wed, 01 Sep 2010 14:29:10 GMT
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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 ?

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Subject: Re: multi plot with superposed axis
Posted by [pgrigis](#) on Wed, 01 Sep 2010 15:13:05 GMT
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>

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

Subject: Re: multi plot with superposed axis
Posted by [wlandsman](#) on Wed, 01 Sep 2010 15:27:56 GMT
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If you are using MULTILOT, then it has a /SQUARE keyword which can be set on the first call. --Wayne

Subject: Re: multi plot with superposed axis
Posted by [Thibault Garel](#) on Wed, 01 Sep 2010 15:42:08 GMT
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Subject: Re: multi plot with superposed axis
Posted by [Thibault Garel](#) on Thu, 02 Sep 2010 10:15:37 GMT
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Hi,

for some reason ,the ticknames are not displayed under the bottom plot. When i force it by typing !x.tickname=indgen(4), it does not locate the names under the ticks but offsted of half a bin to the right. Is there a way to control the position of the ticknames?

thanks

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