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Subject: Re: multiple plots of different size on same page

Posted by [penteado](#) on Wed, 20 Jul 2011 00:08:48 GMT

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This is one way:

[http://www.ppenteado.net/idl/pp\\_lib/doc/pp\\_multiplot\\_\\_define.html](http://www.ppenteado.net/idl/pp_lib/doc/pp_multiplot__define.html)

See the fourth plot on the examples.

On Jul 19, 8:41 pm, Alexandra Laeng <sasha.mozg...@gmail.com> wrote:

- > Hi everybody,
- > put multiple plots of same size on a page is a standard thing.
- > Does somebody by any chance knows if it would be possible
- > to plot with IDL multiple plots of different sizes on a same page ?
- > For example, to have 3 boxes like this

> 

- >
- > Alex

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Subject: Re: multiple plots of different size on same page

Posted by [penteado](#) on Wed, 20 Jul 2011 00:16:35 GMT

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On Jul 19, 9:08 pm, Paulo Penteado <pp.pente...@gmail.com> wrote:

- > This is one way:
- >
- > [http://www.ppenteado.net/idl/pp\\_lib/doc/pp\\_multiplot\\_\\_define.html](http://www.ppenteado.net/idl/pp_lib/doc/pp_multiplot__define.html)
- >
- > See the fourth plot on the examples.
- >

I should have mentioned that this program is to do multiplot-like pages, that is, where the plots have no space between them, sharing the axes. Otherwise, the standard functionality of the graphics functions can do it (with the keywords layout or position).

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Subject: Re: multiple plots of different size on same page

Posted by [Alexandra Laeng](#) on Wed, 20 Jul 2011 01:09:56 GMT

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Hi Paulo,  
thanks for your fast reply.

- > I should have mentioned that this program is to do multiplot-like
- > pages, that is, where the plots have no space between them, sharing
- > the axes

Yep, this is not exactly what I would need: my plots have different axes, and I would need a space in between..

- > Otherwise, the standard functionality of the graphics
- > functions can do it (with the keywords layout or position).

Could you please detail this? My understanding is that by setting !

P.Multi, one can only have plots of the same size.

Are you saying that there is a functionality (shame on me, but I ignore its existence) allowing to play with the size of the plots ?

Alex

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Subject: Re: multiple plots of different size on same page

Posted by [penteado](#) on Wed, 20 Jul 2011 02:09:59 GMT

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On Jul 19, 10:09 pm, Alexandra Laeng <sasha.mozg...@gmail.com> wrote:

- > Could you please detail this? My understanding is that by setting !
- > P.Multi, one can only have plots of the same size.
- > Are you saying that there is a functionality (shame on me, but I
- > ignore its existence) allowing to play with the size of the plots ?

An easy, but limited, way it can be done is with layout:

```
p1=plot(dindgen(100),layout=[1,4,1])
p2=plot(2*dindgen(100),layout=[1,4,2],/current)
p3=plot(3*dindgen(100),layout=[1,2,2],/current)
```

A more flexible way is setting the positions directly:

```
p1=plot(dindgen(100),position=[0.1,0.4,0.9,0.9])
p2=plot(2*dindgen(100),position=[0.1,0.1,0.9,0.3],/current)
```

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Subject: Re: multiple plots of different size on same page

Posted by [David Fanning](#) on Wed, 20 Jul 2011 20:15:04 GMT

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Alexandra Laeng writes:

- > put multiple plots of same size on a page is a standard thing.

> Does somebody by any chance knows if it would be possible  
> to plot with IDL multiple plots of different sizes on a same page ?  
> For example, to have 3 boxes like this  
>  
> |\_\_\_\_\_| |\_\_\_\_\_| |\_\_\_\_\_|

You can put plots wherever you like on a page by positioning them with the POSITION keyword. You will also have to use the NOERASE keyword for all but the first plot.

Cheers,

David

--

David Fanning, Ph.D.  
Fanning Software Consulting, Inc.  
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>  
Sepore ma de ni thue. ("Perhaps thos speakest truth.")

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Subject: Re: multiple plots of different size on same page  
Posted by [Alexandra Laeng](#) on Thu, 28 Jul 2011 10:36:49 GMT  
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On Jul 20, 10:15 pm, David Fanning <n...@dfanning.com> wrote:

> Alexandra Laeng writes:  
>> put multiple plots of same size on a page is a standard thing.  
>> Does somebody by any chance knows if it would be possible  
>> to plot with IDL multiple plots of different sizes on a same page ?  
>> For example, to have 3 boxes like this  
>>  
>> |\_\_\_\_\_| |\_\_\_\_\_| |\_\_\_\_\_|  
>  
> You can put plots wherever you like on a page by  
> positioning them with the POSITION keyword. You  
> will also have to use the NOERASE keyword for all  
> but the first plot.

Aha, that was the trick. Thank you so much, worked perfectly.  
P.S. wow, the answer to the question, that turned out to be a basic one, by Fanning itself ..