
Subject: Re: Multiplot-like in new graphics
Posted by [Matt Haffner](#) on Thu, 23 Sep 2010 21:20:56 GMT
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Not that I've found yet. I made one yesterday with LAYOUT and MARGIN, which is now in sensible, normalized units instead of character widths. Since MARGIN is relative to the plot window defined by LAYOUT, I found using that combo much easier than defining everything from scratch using POSITION. I rarely got good results with !P.MULTI/MARGIN in direct graphics, so that's an improvement.

I wish they would have expanded TICKLAYOUT to simply suppress labels but keep ticks, though. I still had to use blank TICKNAME arrays to get that to work properly.

mh

On Sep 23, 3:53 pm, Paulo Penteado <pp.pente...@gmail.com> wrote:

> From what I could see, it seems that IDL 8 still does not have
> functionality like multiplot (<http://idlastro.gsfc.nasa.gov/ftp/pro/plot/multiplot.pro>) provides. So I decided to make a new class,
> inheriting from plot, where multiple plots get nicely put together,
> with only those on the left having y labels, and only those on the
> bottom having x labels.
>
> Am I right in thinking that there is no such feature built-in? I just
> do not want to find out later that I am writing something that is
> already there.

Subject: Re: Multiplot-like in new graphics
Posted by [penteado](#) on Thu, 23 Sep 2010 22:10:18 GMT
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On Sep 23, 6:20 pm, Matt Haffner <matt.haff...@gmail.com> wrote:

> I wish they would have expanded TICKLAYOUT to simply suppress labels
> but keep ticks, though. I still had to use blank TICKNAME arrays to
> get that to work properly.

I was thinking just that a few minutes ago. I was thinking in using using layout, but that would give an equal area to each panel. But those in the bottom line and left row would need different sizes, to keep the data area of constant size, while leaving some space for the labels. The alternative would be to leave the panels equal, but then the left row and bottom line would have smaller data areas. So I am going with position.

Also, I want to allow for setting a global title, and single x and y

titles for the whole grid (something that in DG already required me to make changes to multiplot). Then I may also encounter the issue of overlapping labels (say, from the top y label of the bottom plot getting over the bottom y label of the plot above it), which also required me to make some changes to multiplot.

Subject: Re: Multiplot-like in new graphics
Posted by [penteado](#) on Thu, 28 Oct 2010 22:16:00 GMT
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On Sep 23, 8:10 pm, Paulo Penteado <pp.pente...@gmail.com> wrote:
> On Sep 23, 6:20 pm, Matt Haffner <matt.haff...@gmail.com> wrote:
>
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> Also, I want to allow for setting a global title, and single x and y
> titles for the whole grid (something that in DG already required me to
> make changes to multiplot). Then I may also encounter the issue of
> overlapping labels (say, from the top y label of the bottom plot
> getting over the bottom y label of the plot above it), which also
> required me to make some changes to multiplot.

The class (pp_multiplot) is now available at

http://www.ppenteado.net/idl/pp_multiplot__define.html

As usual, the source file is on the same location, just with the .pro extension.

It allows for columns/lines of different widths, single x/y titles, synchronization of x/y ranges and axes properties, and does not shrink the left column or the bottom line, due to the space taken by the axes.
