
Subject: Re: Multiple image plots in postscript
Posted by [jdlb](#) on Fri, 12 Mar 1993 04:11:32 GMT
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kevin@dipl.rdd.lmsc.lockheed.com (Kevin Anderson) writes:

- > Does anybody know how to put multiple image plots on 1
- > page in postscript using pvwave CL?
- > [...]
- > The only way I have discovered to get multiple image plots
- > on the same postscript page is to use the position parameter
- > when calling tv or tvscl, but now the problem is the images
- > are again scaled to the entire size of the plot area.

Because PostScript has scalable pixels, you must specify the xsize and ysize parameters, as well as the position parameter, in TV or TVSCL. I don't know about PV-Wave, but the following works in IDL:

```
; Display four images in a 2x2 grid
; Assume data(x,y,4) = array containing the 4 images

set_plot, 'ps'          ;request PostScript output
device, ...             ;modify page size, orientation, etc. as desired
ximsize = 0.5*!d.x_size ;define output image size
yimsize = 0.5*!d.y_size ;note: 0.5 assumes 2x2 grid
for i=0,3 do begin      ;display the 4 images, using i as position index
    tv, data(*,*,i), i, xsize=ximsize, ysize=yimsize
endfor
```

Hope this helps,
Jeff

```
% Jeff de La Beaujardiere % jdlb@mamane.ifa.hawaii.edu %
% Institute for Astronomy %      808-956-9843      %
% University of Hawai'i %      fax 956-9402      %
```

Subject: Re: Multiple image plots in postscript
Posted by [thompson](#) on Wed, 17 Mar 1993 16:46:19 GMT
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jdlb@kukui.ifa.hawaii.edu (J-F Pitot de La Beaujardiere) writes:

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>      % University of Hawai'i %      fax 956-9402      %
```

This sounds like another one for the new FAQ.

Bill Thompson

Subject: Re: Multiple image plots in postscript
Posted by [kevin](#) on Thu, 18 Mar 1993 17:29:49 GMT
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> Bill Thompson

I used the technique in Jeff's code to create a more general multiple image plotting routine. Instead of hardwiring the position and size of the images, I used the !p.multi variable to place images in either the X window or a postscript plot. This way you can treat images just like 2D or 3D plots. It seems like a natural thing to do. I wonder why PVI didn't do it.

Kevin Anderson
