Subject: Re: Multiple image plots in postscript
Posted by kevin on Thu, 18 Mar 1993 17:29:49 GMT
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>>> 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

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> This sounds like another one for the new FAQ.

> 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