Subject: More Q's on TV and Postscript
Posted by rouse on Wed, 31 Aug 1994 04:11:34 GMT
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Now that I can actually see the postscript output I've three more questions.

1. How do I get the picture to be black on white? If I try this trick

   a(where(a eq 0B)) = 225B

   then any plots that are with the picture disappear since plots are done in black. This also makes the picture look very different! I've also tried reloading the color arrays after set_plot,'ps' with and without giving /COLOR in the call to DEVICE. What's the catch?

2. I would also like to use PLOTS to draw circles and things on the picture. How can I position them correctly given that the position and size of the picture is specified in centimeters (or inches) not NORMAL, DATA, or even DEVICE coordinates?

3. Wouldn't it be nice if TV understood all of the !p variable especially !p.multi. Has anyone developed or know of a procedure, say PTV, that works like PLOT (or PLOTS) but draws an image instead of a graph? If you've only one picture then things go smoothly, but if you what a graph with a picture next to it or some other combination things get complicated.

   I think that I can do what I want in the window, but the conversion to postsrcipt does not reproduce what's in the window. I've tried using TVRD but then you have the black-on-white problem again.

Any hints &/or suggestions are welcome.

Thanks, Roger

Subject: Re: More Q's on TV and Postscript
Posted by stl on Thu, 01 Sep 1994 06:30:16 GMT
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In article <340vtmINN5tv@lanews.la.asu.edu> rouse@sevens.la.asu.edu (Roger Rouse) writes:
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>
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>
> 1. How do I get the picture to be black on white? If I try this trick
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> then any plots that are with the picture disappear since plots are
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> without giving /COLOR in the call to DEVICE. What's the catch?
>
If there are plots within the picture, I am not sure. Not really sure what you are asking though, but it sounds like you have plots overlayed on pictures, and want to output them onto a B&W printer. I would suggest setting the plot color to WHITE, so then plots on top of pictures just are white lines on the picture. (however, if you plot is bigger than your image you will have a mess...)

> 2. I would also like to use PLOTS to draw circles and things on the picture.
> How can I position them correctly given that the position and size of the
> picture is specified in centimeters (or inches) not NORMAL, DATA, or even
> DEVICE coordinates?
Normal coordinates should work on PS output devices. Just remember that they are normal to the page size, which is not the same as the window size. I generally try to do EVERYTHING in normal coordinates, that way things are at least relative to each other...
>
> 3. Wouldn't it be nice if TV understood all of the !p variable especially
> !p.multi. Has anyone developed or know of a procedure, say PTV, that works
> like PLOT (or PLOTS) but draws an image instead of a graph? If you've only
> one picture then things go smoothly, but if you what a graph with a picture
> next to it or some other combination things get complicated.
If you are just using images, then its not a big deal. Just use the TV position that is built into TV (ie: the 1 number positioning system) Once you start mixing images and plots, I would suggest building a window of dimensions that are proprotional to a paper size, and then just position the plots/Images on the window, using ONLY NORMAL coordinates. Or if possible, display it all to a window, then TVRD it all, but this loses resolution and like you said sometimes has color problems (I have never really had the color problem)
>

Hope this helps a little bit. The PostScript stuff can be a real frustrating headache, but most things are possible if you get creative and are patient.

-stephen
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01 256 93 85 / (and pray for snow)