
Subject: Postscript problem

Posted by [Tim Abbott](#) on Mon, 08 Jun 1998 07:00:00 GMT

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Hi,

I have a problem with postscript output from a routine which works just fine on output to the display. What I am trying to do is combine image data with plots. The data consist of a set of 6 spectra, each of the same number of data points (Nd), which I concatenate into a single 2-d array (Ndx6 elements). I am plotting the 6 spectra on an ordinary plot window with axes slightly wider than the data range. I then display the image data in the upper ~10% of the display, and spread over the same x-range so that the reader may directly compare the image data with the spectra (which are, therefore, slices through the image). This works just fine on my workstation, but when I try and make a postscript copy, spectra plot OK, but the image data runs off the right of the page, with quite the wrong x-scale. To make matters worse, I can find nothing wrong with the scaling parameters and the image should be narrower than the page (after congridding, it is smaller than the pixel width of the page). The (image manipulation) code is given below (I know, it's ratty):

```
px = !x.window * !d.x_vsize ; x coordinates of plot in device units
py = !y.window * !d.y_vsize ; y coordinates of plot in device units
px(1) = px(0)+(max(w27) - !x.range(0))*(px(1) -
px(0))/(!x.range(1)-!x.range(0))
px(0) = px(0)+(min(w27) - !x.range(0))*(px(1) -
px(0))/(!x.range(1)-!x.range(0))
ipy = py(1)-1.2*(py(1)-py(0))/10.+1

sx = px(1) - px(0) + 1
sy = (py(1)-py(0))/10.
img = congrid(img,sx,sy)
tvscl,img,px(0),ipy
```

Is there something about the PS driver I'm not understanding...?

Thanks for any help,

Tim

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