
Subject: Re: Aspect ratio for 'PS' output
Posted by [davidf](#) on Thu, 30 Jul 1998 07:00:00 GMT
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Amit Ghosh (amit@physics.utoronto.ca) writes:

> I am unable to control the aspect ratio for contour plots directed to
> postscript output (for std 'X' output the plot sizes to the window
> size). I am in particular making geographic plots by first setting up my
> coordinate system using `map_set'. Is there a straightforward way to do
> this ?

I have a couple of programs that might help in this respect.
They help you control either the size of the plotting "window"
or the location of the plot in the window. Both programs,
named ASPECT and PSWINDOW, can be downloaded from my web
page.

The ASPECT program returns a vector of normalized
coordinates to be used with the POSITION keyword to
locate a plot in the output graphics window. It works
identically whether your graphics window is the display
or a PostScript page. For example, if you want to have
a map projection with a height to width ratio of 3/4,
you would type this command:

```
Map_Set, /Cylindrical, Position=Aspect(0.75), /Grid  
Contour, data, /Overplot
```

If, on the other hand, you want your PostScript output
to have the same aspect ratio as the plot does in your
display window, you might use PSWINDOW. This program
returns DEVICE keywords to set the PostScript window
to have the same aspect ratio as the current graphics
window. The calls would look something like this:

```
parameters = PSWindow()  
thisDevice = !D.Name  
Set_Plot, 'PS'  
Device, _Extra=parameters  
Map_Set, /Cylindrical, Grid, /Continents  
Contour, data, /Overplot  
Device, /Close  
Set_Plot, thisDevice
```

Cheers,

David

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Subject: Re: Aspect ratio for 'PS' output
Posted by [wmc](#) on Thu, 30 Jul 1998 07:00:00 GMT
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In article 41C6@physics.utoronto.ca, Amit Ghosh <amit@physics.utoronto.ca> writes:

> I am unable to control the aspect ratio for contour plots directed to
> postscript output (for std 'X' output the plot sizes to the window
> size). I am in particular making geographic plots by first setting up my
> coordinate system using `map_set'. Is there a straightforward way to do
> this ?

If you are using geographic plots, the chances are that you want to add "/iso"
to the map_set, which make the x- and y- coords represent the same lengths.

If you want to change the size of ps output, well, probably you want to
look at David Fannings page, but in brief, you can say:

```
device,xoff=xthing,yoff=ything,xs=xsize,ys=ysize
```

See the manual for more info...

- William

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Climate Modeller, British Antarctic Survey | Disclaimer: I speak for myself
