Subject: Re: Contour Plot Issues
Posted by David Fanning on Fri, 13 Jul 2012 21:11:16 GMT
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ecatcom1@gmail.com writes:

> Whoops! Light bulb just turned on!
> New Code:
> xrange=[xmin,xmax]
> yrange=[ymin,ymax]
>
> numLevels=size(levels)
> LoadCT, 33, NColorS=numLevels(1), Bottom=1
> xran=xmax-xmin
> yran=ymax-ymin
> asp=yran/xran
> cgContour,aa,x(ix),y(iy), /Fill,$
> levels=levels, C_colors=Indgen(numLevels(1))+1,$
> c_labels=levels, /Outline,$
> xminor=5, yminor=5,$
> xrange=xrange, yrange=yrange,$
> xtickinterval=10, ytickinterval=10,$
> ASPECT=asp,/Window
>
> When I am resizing my window, it keeps the aspect radio the same. Yay!
> The problem is my plot doesnt show the correct aspect ratio. For example, I just plotted something with x=[-12,11] y=[-34,33], asp=2.91304 (i put a stop in my code and checked to see that all these values are correct and they are). But when it actually plots, the y-axis looks almost 5 times bigger than the x...which is not what I told it to do.
> Any ideas why this could be happening? Is my code funky?
>
> Thanks for putting up with my sillyness!

I don't know. This looks right to me. Here is the code
I used:

```
cgcontour, cgdemodata(2), xrange=[-12, 11], $
  yrange=[-34,33], aspect=67./23
```

The distance from 0 to 10 on the X axis is the same as
the distance from 0 to 10 on the Y axis. Isn't that
what you wanted, for the distances to be in the same
units?

Cheers,

David

--
David Fanning, Ph.D.
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Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")
