Subject: Re: Contour labels not aligned with contours
Posted by Sir Loin Steak on Fri, 09 May 2014 09:19:17 GMT

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Right, I've done some more investigating...

The problem seems to be related to the character size used to label the contour labels. I've done two more test plots, using the code below. The results are here:
http://physics.open.ac.uk/~lsteele/contour_test.png

In the first plot I set c_charsize=0.2, while in the second plot I set c_charsize=0.5. As you can see, the labels look ok in the second plot, but are not aligned with the contours in the first plot.

The problem is, I need to produce the eps plot for a journal article, and it needs to be output in the correct size (in this case 2.5 inches square). As such, I have to use small c_charsize values to make the labels legible, and not cover up any shading which is plotted underneath the contours.

Does anyone know of a way around this?

Cheers,

Liam

Test code:

```
x = sin(findgen(50)/49*!pi)*5
y = cos(findgen(50)/49*!pi/2)*5
array = x#y

set_plot, 'ps'
!p.font=0
device, /encap, xsize=2.5, ysize=2.5, /inches, filename='test.eps'
pos = cglayout([1,1], oxmargin=[3,1], oymargin=[2,1])

clevels = findgen(13)*2
contour, array, findgen(50), findgen(50), levels=clevels, $
     c_label=intarr(13)+1, charsize=0.6, c_charsize=0.2, $
     color=cgcolor('black'), position=pos[*,0]

device, /close
```