Subject: Re: Contour labels not aligned with contours
Posted by Sir Loin Steak on Fri, 09 May 2014 09:21:19 GMT

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On Friday, 9 May 2014 10:19:17 UTC+1, lj...@fsmail.net wrote:
> 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
```

Oh, and I've tested this using IDL 7.0 and 8.2, and it happens in both versions.