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Subject: Re: how to draw contour with continue color?

Posted by [xqinshan](#) on Sun, 16 Nov 2008 08:57:15 GMT

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> xqinshan writes:

>> Hi, I use "contour...nlevels=.../fill" to get contour plot. The color  
>> variation is seperated. Although if I set nlevels=50 or more it looks  
>> better, but the contour color is not continuous. When I donot set  
>> nleves for "colorbar", the color of colorbar is continuous. But how can  
>> I do for contour?

>

> You want an image, not a filled contour plot.

>

```
> data = Dist(300)
> step = (Max(data) - Min(data)) / 16.
> levels = Indgen(16) * step + Min(data)
> Device, Decomposed=1
> CTLoad, 4, /Brewer
> pos = [0.15, 0.15, 0.9, 0.75]
> Erase, Color=FSC_Color('ivory')
> TVImage, BytScl(data), POSITION=pos
> Contour, data, /NOERASE, POSITION=pos, XSTYLE=1, YSTYLE=1, $
>   LEVELS=levels, COLOR=FSC_Color('black'), $
>   C_LABEL=Replicate(1, 16)
> Colorbar, NCOLORS=256, RANGE=[Min(data), Max(data)], DIVISIONS=4, $
>   POSITION=[0.15, 0.8, 0.9, 0.85], /TOP, COLOR=FSC_Color('black')
```

>

> Cheers,

>

> David

> --

> David Fanning, Ph.D.

> Fanning Software Consulting, Inc.

> Coyote's Guide to IDL Programming:<http://www.dfanning.com/>

> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Thanks very much!

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