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Subject: Re: Using TV command instead of contour  
Posted by [pgrigis](#) on Wed, 13 Jul 2011 15:55:21 GMT  
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On Jul 13, 8:21 am, Amit <amisra.a...@gmail.com> wrote:

> Hi Paolo,  
>  
> Many many thanks for your help. pg\_plotimage does work fine and solves  
> the problem.  
>  
> However, I see differences in the colours here as compared to those  
> from CONTOUR, though I used the same colour table. Is there any way I  
> can change the colours?  
>  
> BACKGROUND option is working fine, however I am not able to change the  
> font color either. (I need to produce the plot on a white background,  
> with axis labels etc in black).  
>  
> Finally is there any way to display the colour bar? Since the MARGIN  
> keyword is not allowed, I do not think the conventional COLOR\_BAR  
> program would work.  
>  
> Thanks  
> Amit

Well, you should compare the colors from what you get by tv/tvscl.  
If those are the same (more or less) then pg\_plotimage is working  
as intended. If you see a difference, it may be due to the  
interpolation  
scheme used to convert a big image in memory to a small image on the  
screen  
- try plotting just a small part of the image and see if it helps.

I cannot comment on the colors used by contour, but the consensus  
seems to be  
they are somewhat weird, see [http://www.idlcoyote.com/tips/contour\\_hole.php](http://www.idlcoyote.com/tips/contour_hole.php)

To have the labels/axes of a different color you can modify !p.color  
before  
calling pg\_plotimage.

pg\_plotimage honors the position keyword, so you can plot your image  
first  
and then use pg\_plotimage to plot the color bar (at a different  
position)  
by using the /noerase keyword as you would for a regular plot.

example:

```
loadct,5
!p.color=255
pg_plotimage,dist(512,512),charcolor=128,/xst,/
yst,position=[0,0,0.5,0.5]
!p.color=140
pg_plotimage,dist(512,512),charcolor=128,/xst,/
yst,position=[0.6,0.6,0.9,0.9],/noerase
```

Ciao,  
Paolo

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