Subject: Re: question about plot contours over a color figure
Posted by manodeep@gmail.com on Fri, 02 Jun 2006 22:49:43 GMT
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yinghui wrote:
> Hi:
>
> I want to plot the confidence level contours over a color figures in a
> PS file.
>
> I have no problem to plot the color figures in the PS file, using
> tv,sdata,x0,y0,xsize=xsize,ysize=ysize,/normal   ;;sdata is the data I
> used to plot the figure plot.
> here x0=y0=0.1, xsize=ysize=0.7
>
> But when I want to add the contours on the same plot, I add one line
> after the TV command, as
>   contour,tempc,x,y,max_value=100.,min_value=0.,levels=[80.,90 .,95.],
> $
>   c_labels=[1,1,1],c_colors=[1,0,1],position=[0.1,0.1,0.8,0.8] ,
> $
>   c_charsize=1.,c_charthick=1.5,c_thick=1.5,xstyle=5,ystyle=5,
> $
>   /overplot   ;tempc is the confidence level data
> No contours come up, or sometimes in a small area at the corner of the
> window.
> I put this line before TV, the contures do not come up for the color
> fiugre covers the contoure lines.
>
> But if I keep the contour command after the TV command, and add almost
> the same contour line before the TV line, as
>
> contour,tempc,x,y,max_value=100.,min_value=0.,levels=[80.,90 .,95.], $
>
>   c_labels=[1,1,1],c_colors=[1,0,1],position=[0.1,0.1,0.8,0.8] ,
> $
>   c_charsize=1.,c_charthick=1.5,c_thick=1.5,xstyle=5,ystyle=5,
> $
>   /noerase
>
> The contours come up as I wanted.
>
> I am wondering what is wrong here, why I need two contour lines
> commands to get the contoure lines come up?
>
> Thanks
>
> yinghui

Take a look at the RSI supplied image_cont.pro -- it plots the data and overplots it
with contour lines. It would be trivial to modify to display one set of
data and overplot
another set as contours.

Cheers,
Manodeep