Subject: Re: stippling or cross hatching in contour plot
Posted by David Fanning on Mon, 08 Oct 2007 16:28:50 GMT
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MA writes:

> Still, the problem remains that c_orientation will apply its hatching
> to all levels above the ones specified. Run the code above and see
> what I mean.

Humm. You may be right. OK, we have to be more creative. :-)

I didn't understand your example, but here is another
that demonstrates how to get cross-hatching on top of
colors. The cross-hatching appears to me to be exactly
where I expect it to be.

Cheers,

David

```
;************************************************************ **********
;; create some data
array=dist(10,10)

Window,2
loadct,2
;; contour data with color
loadct, 33, ncolors=5, bottom=1
device, decomposed=0, get_decomposed=theState

thisDevice = !D.Name
xsize = !D.X_Size
ysize = !D.Y_Size
Set_Plot, 'Z'
Device, Set_Resolution=[xsize,ysize], Z_Buffer=0
contour,array,levels=indgen(5),c_colors=indgen(5)+1,/fill, $
   xstyle=1, ystyle=1, position=[0.1, 0.1, 0.9, 0.9]
;; try to put hatching on top
locx = [0.1, 0.9] * xsize
locy = [0.1, 0.9] * ysize
snap1 = TVRD(locx[0], locy[0], locx[1]-locx[0]+1,
   locy[1]-locy[0]+1)

contour, array,levels=[0,2.5,5.0],/overplot, $
   c_orientation=[45,-45,0]
snap2 = TVRD(locx[0], locy[0], locx[1]-locx[0]+1, $
   locy[1]-locy[0]+1)
```

```
Set_Plot, thisDevice
contour,array, xstyle=1, ystyle=1, /NoData, $
   position=[0.1, 0.1, 0.9, 0.9],
TV, snap1 > snap2, locx[0], locy[0]
device, decomposed=theState
end
 ;************************************************************ ***
```

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