
Subject: Need help with CONTOUR shading error
Posted by [mark](#) on Fri, 11 Mar 1994 20:31:11 GMT

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I just installed IDL 3.5.1 and I'm having a problem with shading in the routine CONTOUR. On some plots, the shade values for higher contours are not used, so all values above a certain level get the same color, even though `c_colors` specifies otherwise. The following code illustrates the problem:

```
set_plot,'ps'  
z=fltarr(3,2)  
z(*,0)=[.1,.65,.95]  
z(*,1)=[.11,.65,.94]  
lev=findgen(10)/10.  
contour,z,/fill,levels=lev,c_colors=[100,200]  
contour,z,/follow,levels=lev,c_charsize=2.,/overplot  
device,/close  
end
```

The resulting plot has the same shade value above .6, even though it should have alternating dark and light bands. Curiously, if I set `z(0,1)=.1`, the shading works. If instead I set `z(2,1)=.95`, it still fails.

I remember that there was a discussion in this group about this type of problem several weeks ago. Can someone point me toward the solution?

Thanks,

-Mark Baldwin (mark@nwra.com)
