
Subject: Re: shading in contour plots
Posted by [c.hoyle](#) on Mon, 11 Jul 2005 08:36:58 GMT
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> P.S. If you are still struggling, tell us something about
> the size of the array you are contouring and let us see
> the contour code you are using.

I think this better describes my problem. Consider the following:

;test the shading in contour plots:

JM=46

KM=25

inbetween=1 ;choose 1 for 3 levels or anything else for 2 levels.

```
sf=fltarr(JM,KM)
sf(20:21,10:15)=1.
```

```
sf(10:11,10:11)=1.
```

```
sf(5,10)=1.
```

```
sf(5,11)=1.
```

```
sf(5,12)=1.
```

```
;sf(*,*)=1
```

```
xr=[-90,90]
```

```
yr=[0,24]
```

```
IF inbetween EQ 1 THEN lev=[0.,0.5,1.] ELSE lev=[0.,1.]
```

```
IF inbetween EQ 1 THEN col=[0,100,182] ELSE col=[0,182]
```

```
lat_arr=findgen(JM)*4-90
```

```
alt=findgen(KM)
```

```
Contour,sf,lat_arr,alt,levels=lev,ystyle=1,xstyle=1,xrange=x r,$
```

```
yrange=yr,xtitle='Latitude',ytitle='Altitude
```

```
(km)',c_thick=3,charthick=3,charsize=1.2,$
```

```
/cell_fill,c_colors=col
```

```
oplot,[-10,-10],[0,25]
```

```
END
```

If you only use levels 0 and 1, the line on the far left does not show up. If you use levels in between 1 and 0, the boundaries of the other rectangles are no longer properly defined. This is not such a problem with rectangles, but if the shapes are more complicated, then the result is not good. I dont think that this is a problem with nlevels (I dont use it)

or /fill (I use /cell_fill).
cheers,
Chris
