
Subject: Problem with Polar_contour

Posted by [tarequeaziz](#) on Mon, 25 Aug 2008 19:46:50 GMT

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Dear IDL GODS,

I am back with another problem.

I am having troubles regarding polar_contour. The problem is as follows. I got the following code from one of my buddy where he uses polar_contour procedure to plot polar data.

```
" tit='cf_100_ave_POLAR.DAT'
```

```
fileout='cf_100_polar.eps'
```

```
;------  
device, retain=0          <----- THIS IS ONE OF  
THE PLACES WHERE I GET STUCK !!!!  
device, decomposed=0  
device, true_color=2048  <----- THIS IS ANOTHER  
POINT  
loadct,1  
;------
```

```
!p.multi=[0,1,1]
```

```
;------  
Ntime=1  
Ntime1=Ntime-1  
Nr=0  
Nthe=0  
openr,1,'E_NrNp.dat'  
readf,1,Nr  
readf,1,Nthe  
close,1  
;------
```

```
Nrighe=Ntime*Nr*Nthe  
Nslide1=Nr*Nthe  
Nslide=Nr*Nthe-1  
NDT=1
```

```
Tstart=0l
TIMEEPS=Ntime1
nn=0l
;
```

```
openr,1,'POL.data'
polaro=dblarr(2,Nslide1)
readf,1,polaro
close,1
```

```
;
```

```
nlev=128
lab=findgen(nlev)+1
```

```
wrk=dblarr(2,Nslide1)
wrk(0,*)=polaro(0,0:Nslide)
wrk(1,*)=polaro(1,0:Nslide)
r=reform(wrk(0,*),Nthe,Nr)
t=reform(wrk(1,*),Nthe,Nr)
```

```
openr,2,tit,/f77_unformatted
data1=dblarr(Nslide1)
data0=dblarr(Nr,Nthe)
```

```
nframe=0l
for j=0l,Ntime1 do begin
    readu,2,data0
endfor
```

```
RMIN=MIN(data0)
RMAX=MAX(data0)
;RMIN=ABS(RMAX - RMIN)/
```

```
nn=0l
for ir=0l,Nr-1 do begin
    for ithe=0l,Nthe-1 do begin
        data1(nn)=data0(ir,ithe)
        nn=nn+1l
    
```

```

    endfor
endfor

ttt=j*1.0

tit0=string(ttt,format='(" - F - Time = ",F10.2)')

z1=reform(data1,Nthe,Nr)

;~~~~~
;  polar_contour, z1,t[*],r[0,*],/
FILL,nlevels=nlev,title=tit,zr=[-0.3,RMAX]
;~~~~~

close,2 "
```

Now when he runs it in his machine (with IDL version 6.2) it just works like a charm but the same code breaks down when I want to run on machine (with IDL 7.0).

As I showed on the code, program breaks down at weird places, like "DEVICE,RETAIN=0" (shown above). It says that, retain is NOT allowed for device command, how ridiculous!!!!

Even if I circumvent this area, when it gets down to polar_contour command, it says, it cannot plot since the points are collinear !! How come then it works on his machine?????

As far as I can see, the code seems alright. I just cannot figure out why it is breaking down on my machine.

Please help...!!!!!!!

Best,

T
