Subject: Problem with Polar_contour
Posted by tarequeaziz on Mon, 25 Aug 2008 19:46:50 GMT
View Forum Message <> Reply to Message

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-1l
Nr=0l
Nthe=0l
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=1l
```

```
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[*,0],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