
Subject: why do not the results agree?

Posted by [lixiaoyao](#) on Thu, 21 Apr 2005 00:15:14 GMT

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Hi all

This time I have read all the manual for contour, I have a question, my code is

in the following. I will say problem following, please help me.

```
;DEVICE,RETAIN=2
```

```
set_plot,'ps',/copy
```

```
device,filename='isothermal.ps'
```

```
device,/landscape
```

```
MAX=100
```

```
x=2*findgen(MAX)/MAX+0.1
```

```
y=2*findgen(MAX)/MAX+0.1
```

```
F=exp(y^2/2-alog(y))
```

```
G=(exp(2*alog(x)+1/x))
```

```
R=fltarr(MAX,MAX)
```

```
for i=0,MAX-1 do R(i,*)=F
```

```
for j=0,MAX-1 do R(*,j)=G
```

```
contour,R,x,y,levels=[0.6,0.7,0.8,0.892521,1.0,1.1,1.2],c_la
```

```
bels=[1,1,1,1,1,1,1],xtitle='Dimensionless
```

```
Radius',ytitle='Mach number',title='Isothermal case'
```

until now, it gives the correct answer.

```
MAX=100
```

```
x=2*findgen(MAX)/MAX+0.1
```

```
y=2*findgen(MAX)/MAX+0.1
```

```
F=exp(y^2/2-alog(y))
```

```
G=(exp(2*alog(x)+1/x))
```

```
R=fltarr(MAX,MAX)
```

```
for i=0,MAX-1 do R(i,*)=F
```

```
for j=0,MAX-1 do R(*,j)=G
```

```
contour,R,x,y,level=[0.892521],path_xy=xy,path_info=info,closed=0,/path_double
```

```
for I=0,(N_ELEMENTS(info)-1) DO BEGIN
```

```
    S=[INDGEN(info(I).N),0]
```

```
    print,xy(*,INFO(I).OFFSET+S)
```

```
;    plots,xy(*,INFO(I).OFFSET+S),/norm
```

```
endfor
```

this time contour results do not agree with I got from the above code.

I have read all the contour help file, I just can not know to solve it.

If who knows the question is, please tell me.

Thanks a lot
