
Subject: Re: why do not the results agree?

Posted by [Craig Markwardt](#) on Thu, 21 Apr 2005 12:49:08 GMT

[View Forum Message](#) <> [Reply to Message](#)

"lixiaoyao" <lixiaoyao5880@yahoo.com> writes:

> Dear David
> You are right,when you plot it,it is the same.but the problem is when
> I output the xy data to the file.and plot it again,it give the wrong
> data just like I send to you.

Li Xi--

I believe the problem is that you are working in "normal" coordinates. These coordinates depend on how the coordinate system of the plot is set up. For example, the presence of axis labels (or not) will change the normal coordinates of the same data point, since the view window shifts to accomodate the labels.

The problem is that in your two different calls, you are using different font and title options.

Compare:

```
> contour,R,x,y,levels=[0.6,0.7,0.8,0.892521,1.0,1.1,1.2],c_labels=[1,1,1,1,1,1],xtitle='Dimensionless Radius',ytitle='Mach number',title='Isothermal case'
```

to:

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

Note the missing *TITLE options.

You can either be sure the second call is a duplicate of the first, or use "data" coordinates instead of "normal" coordinates (see PATH_DATA).

Good luck,
CM
