
Subject: Re: Question on PLOTS command
Posted by [stl](#) on Tue, 07 Jun 1994 13:17:54 GMT
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In article <2svmv4\$6qf@mojo.eng.umd.edu> dpal@glue.umd.edu (Debabrata Pal) writes:

>
> Hello everybody:
>
> I am trying to overlay the geometry of a computational domain on the contour plot. I am having
no trouble in generating the contour plot. I am trying to generate the geometry of domain using
PLOTS command. The geometry is very simple and can be generated by drawing a view
horizontal and vertical lines. But when i use PLOTS command to generate geometry, for example,
>
> PLOTS, [0, 0],[.9,.9], i get an error message like this
>
> % PLOTS: Data coordinate system not established.
>
> In other words, I am having trouble establishing the data coordinate system.
> Can anybody tell me how to establish the data coordinate system in this regard?

Hi,

Okay, IDL uses 3 coordinate systems:

Normal all data is between 0-1

Device for display, this is pixel coord

Data coordinates established with data range of a plot (or
contour, etc..)

Different routines have different defaults of what coordinate type to
accept. I believe your above command will work as follows: (assuming
you do indeed want to use normal coordinates)

```
PLOTS, [0, 0],[.9,.9],/Normal
```

This plots from point (0,0) to (.9,.9).

Remember, the first array are the x coordinates, and the second array
are the y coordinates.

-stephen

hope this helps a little

--

Stephen C Strebel / SKI TO DIE
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Swiss Meteorological Institute, Zuerich / LIVE TO TELL ABOUT IT
01 256 93 85 / (and pray for snow)
