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Subject: Re: Question on PLOTS command  
Posted by [offenbrg](#) on Wed, 08 Jun 1994 15:16:54 GMT  
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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?

Short answer:

PLOTS,[0,0],[.9,.9],/NORMAL

There are 3 device coordinate types:

NORMAL: The whole window goes from [0,0] to [1.0,1.0], regardless of the size of the window

DATA: Use the existing data frame, if any (i.e. use the axes already plotted on the window from a PLOT command)

DEVICE: The coordinates are in units of pixels from the lower-left, so the window goes from [0,0] to [!D.X\_SIZE,!D.Y\_SIZE].

Any of these can be used with PLOTS.

Hope this helps

Joel

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"...And I am unanimous in this" - Mrs. Slocumb

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| Joel D Offenberg | offenbrg@fondue.gsfc.nasa.gov |  
| Hughes STX, NASA/GSFC/LASP | I get paid to stare into space. |