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Subject: PLOTS routine....

Posted by [ratnakar amaravadi](#) on Fri, 20 Jan 1995 19:01:50 GMT

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What algorithm does the PLOTS routine use to compute pixel coords between (x1,y1) and (x2,y2) when the command

PLOTS, [x1,x2],[y1,y2],/dev is executed.

I would like to know the exact pixel coords between (x1,y1) and (x2,y2). After plotting the line, when I move the mouse, I get a new value for (x2,y2). So when I draw the new line, I want to erase the old line, and restore the underlying image. I can do this by

PLOTS, XX(i),YY(i),color=image(xx(i),yy(i)),/dev  
where image is the underlying image, and xx, yy are arrays which contain the pixel coords between (x1,y1) and (x2,y2).

Thanks for your help.

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Subject: Re: PLOTS routine....

Posted by [Serdar Manizade](#) on Mon, 23 Jan 1995 21:00:53 GMT

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ratnakar amaravadi <[amaravad@silver.ucs.indiana.edu](mailto:amaravad@silver.ucs.indiana.edu)> wrote:

>  
> What algorithm does the PLOTS routine use to compute  
> pixel coords between (x1,y1) and (x2,y2) when the command  
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> erase the old line, and restore the underlying image. I can do this  
..

If you are using an appropriate window manager, you might consider another approach: use the SET\_GRAPHICS\_FUNCTION keyword to the DEVICE command. Details are in the IDL Reference Guide, chapt.3.

Then you can plot the line, then unplot it by changing the graphics function and repeating the same plots command.

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