Subject: Re: Help with PLOTS
Posted by Sergei Senin on Mon, 19 Feb 1996 08:00:00 GMT
View Forum Message <> Reply to Message

rkj@dukebar.crml.uab.edu (R. Kyle Justice) wrote:
> Can anyone help with the following problem using
> PV-Wave's PLOTS function:
>
> I have two arrays(xarr, yarr), one containing x and the other
> containing y coordinates that I want to plot on top of
> an image.
>
> The following command does not give me what I want and I
> can't figure out why:
>
> PLOTS, [xarr,xarr], [yarr,yarr], /Device
> If I use a loop I get the desired results, but it is
> quite slow at plotting the points:
>
> FOR i=0,N_ELEMENTS(xarr)-1 DO PLOTS, $
> [xarr(i),xarr(i)], [yarr(i),yarr(i)], /Device
>
> (xarr and yarr have the same number of elements)
>
> I know there has to be a way to plot the points
> using array notation without looping . . .
> Kyle J.
>
>

I just tried it:
;;image from pv-wave examples
openr, 1, filepath('head.img', subdir='data')
head_ls=bytarr(512, 512)
readu, 1, head_ls
close, 1
tv, head_ls
a=findgen(100)
c=a^3
b=a^2
plots, a, c
plots, a, b

It gave me two curves (c and b) plotted over this image

When I used "device" keyword, it...well... didn't work. (I think the explanation is in the Reference book)

Making plots as

plots, [a, a] , [b, b]

gives two curves: a=a and b=a^2

--
S.S.
ss@ee.port.ac.uk
http://www.ee.port.ac.uk:80/~ss-www/ruspage.html