Subject: Re: mixing plots and images in IDL
Posted by m.c.harrison on Tue, 12 Sep 1995 07:00:00 GMT
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lucio@ifctr.mi.cnr.it (Lucio Chiappetti) wrote:
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> I had been told that the correct way to plot an image in colour or
> grayscale in an axis frame (with or without overplotted a contour) was :
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> ; set up ps device
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> plot axes
> tv main image
> replot axes
> tv colour bar with fudge
> device,/helvetica,font_size=5
> annotate tics
>
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> Now I'd try to play around always with /NORM coordinates, but I'd appreciate
> if somebody could explain the interference between TV, axis setting and font
> setting ....
I had this sort of problem attempting to make my contour mapping routine

more generic than just drawing to a window. The problem lay with
tv when creating a colour bar. Data coordinates appeared quite
different, stretchin over my map and causing mayhem and so I created
 a box using normal coords, found the extents in data space using
conv_coords and filled it that way. THis has problem that anything
large enough to be useful can cause the machine to run out of memory,
since examining !d.whatsit with 'ps' device set shows there to be
hundreds of data points per cm. Eventually I used poly_fill
which avoids this problem altogether and might be suitable since
youre only byte scaling ..
Hope this is a help
Mike
m.c.harrison@rl.ac.uk

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