Subject: Re: plot: Messed-up coordinates when switching devices
Posted by Paolo Grigis on Wed, 20 Sep 2006 15:08:54 GMT
View Forum Message <> Reply to Message

It seems that set_plot,'PS' generates a new blank file, so even
if you give the oplot command with the right positional keyword,
the original plot is still going do disappear. I guess that
if you are going to overplot anything in a PS file, you should
not use device,/close before.

Ciao,
Paolo

Ingo von Borstel wrote:
> Hi there,
>
> I have a few plotting routines that shall allow plotting to the screen
> and, if a filename is supplied, concurrently into that file.
> In order to allow the usage of oplot I just switched devices as follows:
>
> PRO plotit, x,y, filename=filename, continueplot=continueplot
>
> IF NOT KEYWORD_SET(continueplot) THEN BEGIN
> PLOT, x,y
> IF KEYWORD_SET(filename) THEN BEGIN
>   SET_PLOT('PS')
>   DEVICE, file=filename, /ENCAPSULE, COLOR=8
>   PLOT, x,y, /DEVICE
>   DEVICE, /CLOSE
>   SET_PLOT('X')
> ENDIF
> ENDIF ELSE BEGIN
> OPLOT, x,y
> IF KEYWORD_SET(filename) THEN BEGIN
>   SET_PLOT('PS')
>   DEVICE, file=filename, /ENCAPSULE, COLOR=8
>   OLOT, x,y, /DEVICE
>   DEVICE, /CLOSE
>   SET_PLOT('X')
> ENDIF
> ENDELSE
>
> END
>
> Now, calling first w/o continueplot and subsequently the routine with
> continueplot, the plots are not aligne anymore wrt to x-axis, the whole
> dataset is shifted and streched.
>

> I assume it has to do with the coordinate systems of the screen and the
> file that get mixed up. But I didn't find a solution to fix it. :(Any
> suggestions how to make this work or circumvent it are welcome.
>
> Best regards,
> Ingo
>