Subject: Re: how to animate/loop plots (not images)
Posted by Robert Moss on Thu, 29 Aug 1996 07:00:00 GMT
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Charlotte DeMott wrote:

>
> I have a series of simple 2D line plots that I would like to animate.
> I'm currently writing the plots to a postscript file, and then using
> some external applications to convert them to (unfortunately large)
> tiff files and then loop them. Is there a simpler way to do this in
> IDL? The manuals talk about how to loop a series of images stored
> in a single array, but this isn't what I'm dealing with.
>
> Thanks for any insight on this problem.
>
> Charlotte
> demott@olympic.atmos.colostate.edu

You can use XINTERANIMATE to do this. The trick is to plot your
images to a pixmap, then use TVRD to get the pixmap and load it
into XINTERANIMATE.

```
XINTERANIMATE, SET=[256,256,10]   ;SAY YOU HAVE 10 PLOTS
WINDOW, /FREE, /PIXMAP, XSIZE=256, YSIZE=256
FOR I=0,9 DO BEGIN
 PLOT, X, Y ;DO YOUR 10 PLOTS HERE AS YOU SEE FIT
 XINTERANIMATE, FRAME = I, IMAGE = TVRD()
ENDFOR
XINTERANIMATE, /KEEP_PIXMAPS
```

Of course these plots will have screen resolution, but since
your displaying it on the screen that shouldn't be a problem

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