Subject: Re: multi window switching Posted by peter on Tue, 18 Mar 1997 08:00:00 GMT

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Daniel Williams (williams@skrymir.srl.caltech.edu) wrote:

: I would like to open a number of plots with the !p.multi keyword, and

: then place data points on each plot. Sounds simple, but then I would

: like to add more data to each plot as time goes by.

: The trouble is, I do not know how to tell IDL "go back to the first

: (or nth) plot, and overplot there". This is such a trivial-seeming

: task, can it be done? Each point that must be plotted cannot be

: stored, so I really need to updata these plots, not make new ones.

You can do it by saving the !x, !y, !z and !p system variables after performing each of the N plots, then setting these system variables back to the saved values before over plotting the new points.

```
E.g. Try
```

IDL> !p.multi=[0,2,2]

IDL> plot, findgen(10)

IDL > x = !x

IDL > y = !y

IDL > z = !z

IDL> p = !p

IDL> plot, findgen(10)

IDL > !x = x

IDL > !y = y

IDL > !z = z

IDL > !p = p

IDL> oplot, 10-findgen(10)

It might seem that you could get away with saving only !p, but I think this will only work if all the plots have the same axis ranges.

Peter