Subject: Re: !p.multi and tv Posted by davidf on Fri, 15 May 1998 07:00:00 GMT View Forum Message <> Reply to Message

```
Cathy (csaute3@alumni.umbc.edu) writes:
> I would like to use !P.MULTI and TV to position images like you
> would plots.
> IDL> window, 0
> IDL> !p.multi = [0,1,4,0,0]
> IDL> plot, indgen(10)
> IDL> plot, indgen(20)
> IDL> plot, indgen(30)
> IDL> plot, indgen(40)
>
> tvimage.pro is not capable of positioning 4 images on the page like
> this. Is there something else that has this capability?
> Or is there a way to determine the position values that !p.multi
> "determines for you", and then use these with tvimage.pro?
I can see that "IDL doesn't work like this" won't satisfy
you. How about something like this:
PRO Multilmages, multi
IF N Params() NE 1 THEN multi = [0, 2, 2]
imageFile = Filepath(SubDir=['examples','data'], 'worldelv.dat')
image = BytArr(360, 360)
OpenR, lun, imageFile, /Get LUN
ReadU, lun, image
Free Lun, lun
Window, XSize=500, YSize=400
!P.Multi = multi
FOR j=0, multi[1]*multi[2]-1 DO BEGIN
  Plot, Findgen(11), Color=!P.Background; A hack, unfortunately. :-(
  x1 = !X.Region[0] + 0.05
  x2 = !X.Region[1] - 0.05
  y1 = !Y.Region[0] + 0.05
  y2 = !Y.Region[1] - 0.05
  TVImage, image, Position=[x1, y1, x2, y2]
ENDFOR
END
```

If you want the images in, for example, a 3-by-2 arrangement, you can type this:

!P.Multi = [0, 3, 2] IDL> Multilmages, !P.Multi

I'll leave it as an exercise for the reader to figure out how to get the images into the program. (Here is a hint: I would use an array of pointers.)

Cheers,

David

David Fanning, Ph.D.

Fanning Software Consulting E-Mail: davidf@dfanning.com

Phone: 970-221-0438

Coyote's Guide to IDL Programming: http://www.dfanning.com/