
Subject: Re: !p.multi and tv
Posted by [davidf](#) on Fri, 15 May 1998 07:00:00 GMT
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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 MultImages, 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> MultImages, !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

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