Subject: Re: ps file

Posted by Paolo Grigis on Thu, 22 Mar 2007 09:30:25 GMT

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wxf@bao.ac.cn wrote:

- >> In general, any time you issue a graphics command that
- >> would, on your display, erase the window first (e.g, Plot,
- >> Contour, Surface, etc.) will, in PostScript, create a new
- >> page of output. Any time you issue a graphics command
- >> that would go into the same window (e.g. OPLOT, PLOTS,
- >> XYOUTS, etc.) will stay on the same page.

>>

- >> Moreover, you can force a new page of PostScript output
- >> by "erasing" the window with an ERASE command.

>>

- >> David
- > Sorry,my statement might be ambiguous so David did not understand.
- > Let me give an example to explain.
- > Everybody must have seen some large geographical map(such as a US
- > geographical map with scale 1:10000). I can use IDL and
- > "set_plot,'ps'"command to produce such a ps file.But it is too
- > large and nobady can watch it on monitor or print it by printer.
- > Now,I want to produce the same map with the same scale,but change
- > the map into to a book with A4 size per page. We can watch that book or
- > print that book whatever size the US map is.

>

- > My question is how can I make out that ps-book in an IDL procedure and
- > its set_plot command.

Well, then I guess you will have to divide up your image in m by n subimages, and then loop over all the subimages, plotting each separately....

something like this should do the job:

ndiv=3;number of pages will be ndiv*ndiv

file = FILEPATH('rose.jpg', \$ SUBDIRECTORY = ['examples', 'data'])

dummy = QUERY_JPEG(file, imageinfo) imagesize = imageinfo.dimensions image = READ_IMAGE(file)

set_plot,'PS'

tv,image,/true;undivided image for comparison erase

```
.run
FOR i=0,ndiv-1 DO BEGIN
  FOR j=0,ndiv-1 DO BEGIN
    partial_im=image[*,i*imagesize[0]/ndiv:(i+1)*imagesize[0]/nd iv-1 $
               ,j*imagesize[1]/ndiv:(j+1)*imagesize[1]/ndiv-1]
    tv,partial_im,/true
    erase
  ENDFOR
ENDFOR
end
device,/close
Ciao,
Paolo
> Thanks
> wxf
>
```