
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 nobody 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 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)  
image_size = imageinfo.dimensions  
image = READ_IMAGE(file)
```

```
set_plot, 'PS'
```

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

