Subject: Re: Write graphics to two devices simultaneously? Posted by Jeremy Bailin on Sun, 12 Apr 2009 15:51:02 GMT

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On Apr 11, 11:08 am, David Fanning <n...@dfanning.com> wrote:
> stefan5...@hotmail.com writes:
>> Is there any way to print to an X11 window and simultaneously dump the
>> X11 output to a postscript file?
>> Of course, I could just copy paste the plot information for a new
>> device, but it would make the procedure annoyingly long. Is there a
>> command to take the contents of an X11 device and save it to the
>> postscript device, or a command to write to postscript at the same
>> time as X11?
> It is not possible to write to two graphics devices at
> the same time. But, well-written IDL graphics programs
> don't much care what device they are being written to,
> which allows you to use something like PS START/PS END
> to write them to PostScript files simply:
  Consider displaying a histogram of an image, using HISTOPLOT:
>
>
    : An image.
>
>
    image = LoadData(7)
>
    ; Write to display.
>
    Histoplot, image, /FILL, POLYCOLOR='rose'
>
>
    ; Write to PostScript file.
>
    PS START
    Histoplot, image, /FILL, POLYCOLOR='rose'
>
    PS_END
>
> Such commands work on Windows, LINUX, and Macintosh computers,
  and for Z-buffer and PRINTER devices, etc.
>
 Programs to help with this are found in the Coyote Library:
>
   http://www.dfanning.com/programs/coyoteprograms.zip
>
>
  Cheers,
>
> David
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming:http://www.dfanning.com/
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> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

For cases like that, I tend to stick the entire thing into a for loop:

for ploti=0,1 do begin if ploti eq 1 then ps_start ... insert plotting commands here if ploti eq 1 then ps_end endfor

That way you can ensure that your plot commands are absolutely identical.

-Jeremy.