Subject: PostScript Encapsulation Knowledge
Posted by David Fanning on Sat, 08 Nov 2014 17:46:09 GMT

Folks,

I've run into an interesting little problem. I have reason to want to
know if the current PostScript device configuration is set up to make
encapsulated PostScript output or not.

I wrote a function that takes the output of the Help, /Device command
and parses the information contained in that output to discover the
"mode" of encapsulation. Here is the relevant line of output:

  Mode: Portrait, Non-Encapsulated, EPSI Preview Disabled, Color Enabled

The problem is, in IDL 8.3.2 on Windows the encapsulation mode never
changes!

  IDL> Set_Plot, 'PS'
  IDL> Device, /Encapsulated
  IDL> Help, /Device

Available Graphics Devices: CGM HP METAFILE NULL PCL PRINTER PS WIN Z
Current graphics device: PS
  File: C:\IDL\tester.eps
  Mode: Portrait, Non-Encapsulated, EPSI Preview Disabled, Color Enabled

I've confirmed the PostScript device *creates* an encapsulated
PostScript file when I configure the device like this. It just never
tells me it is doing so.

Is this the case in other versions of IDL, too?

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Subject: Re: PostScript Encapsulation Knowledge
Posted by Matthew Argall on Sun, 09 Nov 2014 21:58:54 GMT

I have IDL 8.2 and get the same results

IDL> set_plot, 'ps'
IDL> device, /encapsulated
IDL> help, /device
Available Graphics Devices: CGM HP LJ NULL PCL PRINTER PS REGIS TEK X Z
Current graphics device: PS
    File: <none>
    Mode: Portrait, Non-Encapsulated, EPSI Preview Disabled, Color Disabled

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Subject: Re: PostScript Encapsulation Knowledge
Posted by Lajos Foldy on Sun, 09 Nov 2014 22:56:42 GMT

On Saturday, November 8, 2014 6:46:10 PM UTC+1, David Fanning wrote:
> Folks,
>
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> know if the current PostScript device configuration is set up to make
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> Cheers,
>
> David
>
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
> Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Hi David,

you should check the device after opening the file (= after the first plot command):

IDL> set_plot, 'ps'
IDL> device, /encapsulated
IDL> help, /device
    File: <none>
    Mode: Portrait, Non-Encapsulated, EPSI Preview Disabled, Color Disabled
IDL> plot, dist(5)
IDL> help, /device
    File: idl.ps
    Mode: Portrait, Encapsulated, EPSI Preview Disabled, Color Disabled

regards,
Lajos

Subject: Re: PostScript Encapsulation Knowledge
Posted by David Fanning on Sun, 09 Nov 2014 23:31:42 GMT
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fawltylanguage@gmail.com writes:

> you should check the device after opening the file (= after the first plot command):
>
> IDL> set_plot, 'ps'
> IDL> device, /encapsulated
> IDL> help, /device
>   File: <none>
>   Mode: Portrait, Non-Encapsulated, EPSI Preview Disabled, Color Disabled
> IDL> plot, dist(5)
> IDL> help, /device
>   File: idl.ps
>   Mode: Portrait, Encapsulated, EPSI Preview Disabled, Color Disabled

Yeah, too late by then. :-(

Cheers,

David
--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thue. ("Perhaps thou speakest truth.")