
Subject: EPS printouts from IDL 4.0.1

Posted by [Dale Bailey](#) on Wed, 10 Jan 1996 08:00:00 GMT

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I am a bit new to this so I hope this is not an old question that everyone knows already. I am using IDL 4.0.1 on a Sparc 20 (Solaris 5.3), and am trying to produce a plot in PostScript for printing. I want to annotate the graph (as in the Ref Manual V4 N-Z, Chap 3, pp3-46 ff.). I have found the following:

- * If I do not use the keyword /ENCAPSULATED, I get a PostScript file, which I cannot annotate readily (multiple XYOUTS calls overwrite), but it does print;
- * If I use /ENCAPSULATED, I can annotate at will (with XYOUTS), I can view it with the display tool (ImageTool) in Solaris on the screen, but it won't print to any of our printers (tried a Xerox 4520MP and a HP);
- * I could not see how to position the plot with /ENCAPSULATED, as you can't use XOFFSET and YOFFSET with /ENCAPSULATED, and the reference manual's advice to change the size is not really for positioning it seems;
- * Once I use the command DEVICE with /ENCAPSULATED this appears to stay in effect for the rest of the IDL session, even if I remove /ENCAPSULATED from the command and re-compile the procedure.

Any suggestions? When I try to print an encapsulated PostScript file produced by IDL I do get an initial response from the printer, and then nothing - no error msgs, nothing at all. This all seems rather messy, and inconsistent.

Thanks.

Dale Bailey
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Subject: Re: EPS printouts from IDL 4.0.1

Posted by [f055](#) on Wed, 10 Jan 1996 08:00:00 GMT

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In article <4d02v9\$4pk@newshost.rpms.ac.uk>, Dale Bailey <dale> writes:

.....

-* If I do not use the keyword /ENCAPSULATED, I get a PostScript file, which I cannot annotate readily (multiple XYOUTS calls overwrite), but it does print;

No idea what's wrong here. Sorry.

-* If I use /ENCAPSULATED, I can annotate at will (with XYOUTS), I can view it with the display tool (ImageTool) in Solaris on the screen, but it won't print to any of our printers (tried a Xerox 4520MP and a HP);

-* I could not see how to position the plot with /ENCAPSULATED, as you can't use XOFFSET and YOFFSET with /ENCAPSULATED, and the reference manual's

-advice to change the size is not really for positioning it seems;

The /ENCAPSULATED option creates an encapsulated postscript file which is designed for inclusion within another file. It does not, therefore, include any positioning information (hence XOFFSET and YOFFSET don't work), since it is up to the other file to decide where to put the picture. If you don't include it in another file, but try to print it directly, the printer won't produce anything because it has not been told where to put it.

-* Once I use the command DEVICE with /ENCAPSUALTED this appears to stay in effect for the rest of the IDL session, even if I remove /ENCAPSULATED from the command and re-compile the procedure.

Try
DEVICE,ENCAPSULATED=0

Cheers, Tim

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Subject: Re: EPS printouts from IDL 4.0.1
Posted by [bertin](#) on Wed, 10 Jan 1996 08:00:00 GMT
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In article <4d02v9\$4pk@newshost.rpms.ac.uk>, Dale Bailey <dale> wrote:
> * If I use /ENCAPSULATED, I can annotate at will (with XYOUTS), I can view it
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> * I could not see how to position the plot with /ENCAPSULATED, as you can't
> use XOFFSET and YOFFSET with /ENCAPSULATED, and the reference manual's
> advice to change the size is not really for positioning it seems;

I do not believe that encapsulated PostScript files can be printed directly, they have to be printed as part of a document. You might want to create a TEX (or some other) document that uses your encapsulated PostScript file as a figure. Then print the PostScript file that TEX produces. This would solve your positioning problem as well.

> * Once I use the command DEVICE with /ENCAPSUALTED this appears to stay in
> effect for the rest of the IDL session, even if I remove /ENCAPSULATED from

> the command and re-compile the procedure.
>

Use DEVICE, ENCAPSULATED=0 to turn it off.

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