
Subject: Re: Object graphics and real postscript
Posted by [davidf](#) on Mon, 27 Mar 2000 08:00:00 GMT
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Nicolas Decoster (Nicolas.Decoster@noveltis.fr) writes:

> I'm new in IDL and I am currently trying to figure how I can do
> beautyfull graphs using object graphics. It looks like these objects
> allow to draw almost everything I need. But the bad thing is that I did
> not find how I can export my drawing into a postscript file. In fact
> there is a way to create an EPS (using ClipBoard on UNIX), but the
> result is a bitmap ! I want a real postscript with lines, curves, text,
> etc., in postscript language.
>
> Is there a way to do such a thing ?

The way I do it (on Windows NT) is like this:

```
printer = Obj_New('IDLgrPrinter')  
ok = Dialog_PrinterSetup(printer)
```

I get a dialog for my Lexmark PostScript printer. One of the options on the dialog is "Send Output to File". With that checked, it pulls up another dialog that asks me what the name of the file should be, and I simply write to the Printer device. I get a nice PostScript file.

It is **not**, however, encapsulated PostScript.

And, unless I am mistaken, the clipboard object also does not support encapsulated PostScript, but rather just PostScript if the PostScript keyword is set on the Draw method.

My Windows NT Ghostview, however, has the ability to convert a PostScript file to an encapsulated PostScript file. I presume this is also available in the UNIX version of Ghostscript.

Cheers,

David

--

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Toll-Free IDL Book Orders: 1-888-461-0155

Subject: Re: Object graphics and real postscript
Posted by [Ben Tupper](#) on Mon, 27 Mar 2000 08:00:00 GMT
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Nicolas Decoster wrote:

> Hi !
>
> I'm new in IDL and I am currently trying to figure how I can do
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> result is a bitmap ! I want a real postscript with lines, curves, text,
> etc., in postscript language.
>
> Is there a way to do such a thing ?
>
>

Hello,

It looks to me like the new version of IDL (5.3) permits the
IDLgrClipboard to generate postscript output and vector/bitmap graphics.
I'm not sure about EPS and vector graphics.

Ben

--

Ben Tupper

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Subject: Re: Object graphics and real postscript
Posted by [noymer](#) on Tue, 28 Mar 2000 08:00:00 GMT
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In article <MPG.1349819a77d14acc989aac@news.frii.com>,
davidf@dfanning.com (David Fanning) wrote:

> The way I do it (on Windows NT) is like this:
>
> printer = Obj_New('IDLgrPrinter')
> ok = Dialog_PrinterSetup(printer)
>

I don't use object graphics (yet). Is there no analog in object graphics to the direct graphics instructions such as:

```
SET_PLOT, 'PS'  
DEVICE, XSize=4.75, YSize=2.95, /Inches, /ENCAPSULATED, $  
  File=foo.eps  
!P.FONT=0
```

> It is **not**, however, encapsulated PostScript.

You can tweak the drivers so that it is.

> My Windows NT Ghostview, however, has the ability to convert
> a PostScript file to an encapsulated PostScript file.

Only if your PS file contains no page breaks.

> I presume
> this is also available in the UNIX version of Ghostscript.

Yes. It can also be done by hand in your favorite editor:

e.g., first three lines of an EPS file produced by IDL

```
%!PS-Adobe-3.0 EPSF-3.0  
%%BoundingBox: 0 0 342 212  
%%Title: Graphics produced by IDL
```

Note that the first line says EPS and the BB is included.

If if if if if IF there are no pagebreaks, one can convert PS to EPS by hand. But it is kind of a kludge, so I only do it in emergencies.

Andrew
noymer@my-deja.com

Sent via Deja.com <http://www.deja.com/>
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