
Subject: Re: Object Graphics Vector Output
Posted by [Mark Hadfield](#) on Thu, 16 Sep 2004 23:53:55 GMT
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Karl Schultz wrote:

> "Iam A. Lurker" <iam.a.Lurker@gmail.com> wrote in message
> news:ci9h9s\$qq8@odah37.prod.google.com...
>
>> I just tried using 6.1 and, in general, the axes and text in look to be
>> much improved. Most importantly, both axes have the same thickness!!
>> Sadly, this is only an eval license and it isn't clear if/when we'll
>> upgrade to 6.1 (5.1 -> 6.0 last year).
>>
>
> Yes, this does seem to be fixed in IDL 6.1. We fixed a lot of issues with
> vector output in this release.

My experience is quite different (apart from the text-size bug I mentioned in another posting in this thread). I find, like the original poster, that postscript vector output from IDL 6.1 looks very poor mainly due (I think) to lines having very narrow widths.

The following URLs point to EPS and PNG files of a simple line plot produced by IDL 6.0 and 6.1 on Windows:

[ftp://ftp.niwa.co.nz/incoming/m.hadfield/X-Y_line_plot_6.0.e ps.gz](ftp://ftp.niwa.co.nz/incoming/m.hadfield/X-Y_line_plot_6.0.eps.gz)
[ftp://ftp.niwa.co.nz/incoming/m.hadfield/X-Y_line_plot_6.0.p ng](ftp://ftp.niwa.co.nz/incoming/m.hadfield/X-Y_line_plot_6.0.png)
ftp://ftp.niwa.co.nz/incoming/m.hadfield/X-Y_line_plot_6.1.e ps.gz
[ftp://ftp.niwa.co.nz/incoming/m.hadfield/X-Y_line_plot_6.1.p ng](ftp://ftp.niwa.co.nz/incoming/m.hadfield/X-Y_line_plot_6.1.png)

When I view the EPS file produced by version 6.1 with Gsview, the text looks fine, but the axis lines are barely visible and the tick marks not visible at all. Ditto when I print it to a Postscript printer.

These are all produced from a view with UNITS = 2 and DIMENSIONS 12.15 x 12.15 (cm). The RESOLUTION of the IDLgrClipboard object from which the EPS files were drawn was 0.028 (which my code takes from an IDLgrWindow object to make the various forms of output as similar as possible, but it makes no difference if I use the IDLgrClipboard default of 0.035).

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