
Subject: Re: Object Graphics Vector Output
Posted by [Karl Schultz](#) on Wed, 15 Sep 2004 15:21:03 GMT
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"Iam A. Lurker" <iam.a.Lurker@gmail.com> wrote in message
news:ci9h9s\$qq8@odah37.prod.google.com...
>> Hmm.
>>
>> When I run your example, the axes have the same thickness in MacOS
> 10.3.5
>> running idl version...
>>
>> IDL> print, !version
>> { ppc darwin unix Mac OS X 6.1 Jul 14 2004 32 32}
>>
>> Have you looked at these before printing them, perhaps with Preview?
> Do they
>> have varying thicknesses in Preview?
>>
>> Ben
>
> IDL> print, !version
> { ppc darwin unix Mac OS X 6.0.3 Feb 26 2004 32 32}
>
> Yes, they do have one thick line when I view in preview. For what it is
> worth, my primary computer is a 1GHz TiBook using a 64MB ATI Radeon
> 9000 mobility graphics card
> (<http://www.apple.com/pr/library/2002/nov/06pbg4.html>). I too am
> running 10.3.5 with Apple's X11.
>
> I've tried setting Idl.renderer = 1 in ~/Xdefaults but to no avail.
>
> 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.

Also, the graphics card shouldn't have any effect on vector output. And
selecting hardware/software rendering also has no effect on vector output.

It is easy to see the difference by looking at the generated PostScript,
rather than relying on some view tool.

In 6.0 we had the following (clearly wrong) PostScript code to draw the main

axis lines:

```
3 setlinewidth
```

```
n
```

```
375 375 M
```

```
1125 375 L
```

```
....
```

```
1 setlinewidth
```

```
[] 0 setdash
```

```
n
```

```
375 375 M
```

```
375 1125 L
```

In 6.1:

```
3.52778 setlinewidth
```

```
[] 0 setdash
```

```
0 0 0 R
```

```
...
```

```
375 375 M
```

```
375 1125 L
```

```
...
```

```
375 375 M
```

```
1125 375 L
```

So, there is a very definite difference.

Karl
