
Subject: Re: Contour object quality
Posted by [basson](#) on Wed, 18 Jun 2003 08:23:24 GMT
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David Fanning <david@dfanning.com> wrote in message
news:<MPG.19538635dc21919f989688@news.frii.com>...

> Jacques Basson writes:

>

>> Thanks David, that put me on the right track! Although it does lead me
>> to another question... According to the IDL documentation, the
>> resolution for direct graphics is 1000 dots/cm. So when I said that I
>> did try all the keywords to IDLgrClipboard, I had tried

>>

>> contwindow = obj_new('IDLgrClipboard', dimensions=[17.8,12.7], \$
>> units=2, Resolution=[0.001, 0.001])

>>

>> but got the error message

>>

>> % OBJ_NEW: Window DIMENSION[0] exceeds maximum.

>> Clamping to screen dimensions.

>>

>> (the dimensions of 178mm X 127mm are taken from the direct graphics
>> output). 292dpi (which is borderline for high quality printing of lines)
>> is the maximum possible resolution that I could get with those
>> dimensions. And for your 5"x5" plot, the maximum is 409dpi.

>>

>> So it seems like I can't get the direct graphics resolution. However,
>> no-one *really* needs 2540dpi, but I can't even get 600dpi, which is a
>> noticeable for my required A3 output.

>

Damn news feed seems to be down (again), so hopefully this posting
from google will get through.

> I didn't notice a question in there, but you are
> correct that the resolution of the IDLgrClipboard
> is limited. I seem to recall a post from Karl Schultz
> that addressed this issue, but I haven't been able
> to find it in 15 minutes of searching. Maybe
> Karl could help us out again.

Well, "why does it suck so bad?" seems a bit unfair for a question...

> I suppose you could have better luck using the PRINTER
> device rather than the clipboard, but I don't have time
> to try it this morning. I have a truck-load of large
> rocks showing up in a half hour and my back is already
> getting sore. :-(

Except that the printer that I will be printing on is on a different machine - and last time I tried to setup a PostScript printer and use "print to file", IDL hung the machine :(I have since redone my routine using direct graphics (much quicker than trying to sort out this problem).

```
>  
>> Interestingly, the object eps file was twice the size of the direct  
>> graphics eps file (object at 292dpi - direct at 2540dpi).  
>  
> Only twice as large!? You must really be living right. :-)
```

Right on the very edge!

Thanks for the help.

Jacques
