Subject: Re: Contour object quality
Posted by David Fanning on Fri, 13 Jun 2003 13:57:29 GMT
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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.

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.

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. :-(

> 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. :-)

Cheers,

David

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