Subject: Thick keyword
Posted by Vapuser on Tue, 12 Jan 1999 08:00:00 GMT
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This is for a { mipseb IRIX unix 5.1.1 Jul 20 1998}

Is it my imagination, or does the effect one gets in line plots using
'thick' seem to quantized in integers, so that thick=1 = thick=1.5 =
thick=1.999, but thick=2 is different?

Anyone else getting these results?

whd

Subject: Re: Thick keyword
Posted by Joe[2] on Fri, 15 Jan 1999 08:00:00 GMT
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> This is for a { mipseb IRIX unix 5.1.1 Jul 20 1998}
>
> Is it my imagination, or does the effect one gets in line plots using
> 'thick' seem to quantized in integers, so that thick=1 = thick=1.5 =
> thick=1.999, but thick=2 is different?
>
> Anyone else getting these results?

That does seem to be what happens on my hardware (PC) too.
I can't recall whether it is also true for output to a printer. You
may appear to have fine control over the line thickness on a printer
because the native units (or pixels/texels) are so much smaller.
But it is probably still quantized.

Yet another problem in developing a WYSIWYG interface for
IDL graphics.

Subject: Re: Thick keyword
Posted by Peter Clinch on Mon, 18 Jan 1999 08:00:00 GMT
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wmc@bas.ac.uk wrote:
>
> Vapuser <vapuser@catspaw.jpl.nasa.gov> wrote:
>> Is it my imagination, or does the effect one gets in line plots using
>> 'thick' seem to quantized in integers, so that thick=1 = thick=1.5 =

>> thick=1.999, but thick=2 is different?
>
> What were you expecting? How can IDL draw fractions of a pixel?

Anti aliasing, I'd have thought.

Pete.
--
Peter Clinch Dundee University & Teaching Hospitals
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Subject: Re: Thick keyword
Posted by wmc on Mon, 18 Jan 1999 08:00:00 GMT
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Vapuser <vapuser@catspaw.jpl.nasa.gov> wrote:
> Is it my imagination, or does the effect one gets in line plots using
> 'thick' seem to quantized in integers, so that thick=1 = thick=1.5 =
> thick=1.999, but thick=2 is different?

What were you expecting? How can IDL draw fractions of a pixel?

-William

--
William M Connolley | wmc@bas.ac.uk | http://www.nbs.ac.uk/public/icd/wmc/
Climate Modeller, British Antarctic Survey | Disclaimer: I speak for myself

---

Subject: Re: Thick keyword
Posted by Med Bennett on Tue, 19 Jan 1999 08:00:00 GMT
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Are you talking about screen or postscript output? On my machine,
screen graphics seem to behave as though the thick value is rounded to
the nearest integer, while postscript output with real thick values
creates lines with proportional thicknesses (according to CorelDraw,
after importing):

thick line weight (inches)
0.2 .00129
0.4 .00207
0.6 .00286
0.8 .00365

etc...

Peter Clinch wrote:
>
> wmc@bas.ac.uk wrote:
>>
>> Vapuser <vapuser@catspaw.jpl.nasa.gov> wrote:
>>> Is it my imagination, or does the effect one gets in line plots using
>>> 'thick' seem to quantized in integers, so that thick=1 = thick=1.5 =
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> Anti aliasing, I'd have thought.
>
> Pete.
> --
> Peter Clinch Dundee University & Teaching Hospitals
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