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Subject: Re: the sky is falling down again

Posted by [Paolo Grigis](#) on Tue, 30 Jan 2007 15:01:31 GMT

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Reimar Bauer wrote:

> Hi all

>

> here is another example which is very funny if you see it the first time

>

> a=indgen(10)\*1D-7

> b=a

> plot,a,b,psym=1

> oplot,[0,10],[0,10]

>

> because the coordination system is defined by plot it could be a bug too

> and not only a question about precisions

>

>

> Any idea what is happen here?

I think that maybe plot tries to find out the pixel coordinates corresponding to the far end of the line. If it uses long, signed integers for that, then it will overflow around pixel  $2^{31}$ , which seems roughly where the line is supposed to be with your settings (which should be something like 500 pixel times 10 divided by  $1d-6$ ).

Ciao,

Paolo

>

> Cheers

> Reimar

>

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