Subject: Re: the sky is falling down again
Posted by Foldy Lajos on Tue, 30 Jan 2007 17:01:07 GMT

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On Tue, 30 Jan 2007, 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?
>
> Cheers
> Reimar
>

add after plot:

print, 'normal x coord:', !x.s[0]+!x.s[1]*10.
print, 'device x coord:', (!x.s[0]+!x.s[1]*10.)*!d.x_size

you will get:

normal x coord: 8781250.3
device x coord: 5.6200002e+09

The pixel value is greater than the max. value for a 32 bit integer,
so anything can happen.

regards,
lajos