
Subject: Re: the sky is falling down again

Posted by news.qwest.net on Tue, 30 Jan 2007 16:28:53 GMT

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"Reimar Bauer" <R.Bauer@fz-juelich.de> wrote in message
news:epngnc\$f9fd\$1@zam602.zam.kfa-juelich.de...

> 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]

I am not sure what point you are going after, but this seems
that it is plotting $\text{indgen} \cdot 10^{-7}$. Is that your intent?

Or are you pointing out that the line from 0, to 10 when plotted
on the scale 10^{-7} is not colinear with the points.

I think the extrapolation necessary to plot from 0, 10
when your axis ranges from 0 to $9 \cdot 10^{-7}$ is so huge
(in the plot coordinates) that some roundoff error will
occur, and hence the lines won't line up exactly.

I suggest:

`oplot,[0d,10d-6],[0d,10d-6]`

that puts the line correctly (i think)

Cheers,
bob
