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Subject: Re: Postscript plots squished and a plot tick problem.

Posted by [Grady Daub](#) on Fri, 02 Jul 1999 07:00:00 GMT

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I just wrote an entirely new program and the "always starting at zero" problem is happening again. (I hope the problem is the same for both programs.)

After much experimenting and complianing and general disgust, I think I have discovered the problem.

My XTICKV values were:

39047.2    39047.2    39047.2    39047.2    41067.2

But, this didn't seem to affect the plot. IDL just made up it's own tick values. (Which, incidentally, were the ones I wanted.)

I then tried to put back all the stuff I took out while experimenting. I could only reproduce the "always starting at zero" problem by making XTICKV=XTICKV(k), where k comes from "for k=..."

Your guess at my problem seems to have been correct.

I've found the evil badness that has caused all this pain.

It is:

In real life,     $1/4 = 0.25$

In IDL,     $1/4 = 0$

:-(

Can somebody tell me why?

Harald Frey wrote:

> 2. You did not provide a sample program but what I assume happens here is  
> that you improperly use the xticks and xtichv in your call.

>

> Just try this

> a=findgen(20)+9.

> plot,a,a,xticks=5,xtickv=findgen(6)\*4+9

>

> But if you try

>

```
> plot,a,a,xticks=6,xtickv=findgen(6)*4+9  
>  
> you will always start at 0 and in your PS output x-values may be plotted  
> one on top of the other.
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