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Subject: Re: xrange woes

Posted by [Josh](#) on Thu, 19 Jul 2007 20:26:28 GMT

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On Jul 18, 10:17 pm, Craig Markwardt

<craigm...@REMOVEcow.physics.wisc.edu> wrote:

> Josh <joshuamonta...@gmail.com> writes:

>> this is a new one for me...

>> i'm plotting data points (~50) that are spread over a small x range

>> (relative to the values). these data points lie at values around

>> 2,000,000, but are spread over a range of about 0.01. I can use

>> xrange=[x1,x2] up until the difference between x2 and x1 is about

>> 0.25. If I try to make the range smaller, it is just ignored (and

>> left at ~0.25) until the range decreases to 0.1 at which point the

>> plotted x range jumps to ~30! The xstyle keyword follows the same

>> pattern (works until the range is ~0.25, then is ignored).

>

>> Has anyone else ever had this happen? Is there some limitation on how

>> small xrange can be given the actual xvalues? btw, these data points

>> have legitimate values to the standard double precision accuracy.

>

> I always understood the IDL direct-graphics system to be limited to

> single precision, even if your data is double precision.

> Try subtracting the mean value and see if it works.

>

> Craig

Thanks Craig, I was able to use both xrange and xstyle by subtracting most of the value from all of the points.

-Josh

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