Subject: Re: add a period axis?
Posted by jeyadev on Mon, 15 Oct 2001 22:20:02 GMT
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In article <onbsjci5hf.fsf@cow.physics.wisc.edu>,
Craig Markwardt <craigmnet@cow.physics.wisc.edu> wrote:
> jeyadev@wrc.xerox.com (Surendar Jeyadev) writes:
>
>> Awww! This is too easy! It does help that 1.0 lines up with 0.1, 2.0 with
>> 0.2, ... etc. Things look nice. How about when you want to have
>> xrange = [0,15], but you want the upper axis to be some specific values
>> that are calculated from the lower axis. I run into this typically in
>> trying to have two different ways of specifying the same underlying
>> variable. For a no so moronic example, let the x axis be some length
>> in metres. Now, for some people's benefit, I would like to have
>> feet on the upper scale. But, it is ugly to have 1.5432, 2.1793, ...
>> labels. One would like that hash marks to be laid at 1.5, 2.0, etc.
>> Any chance of a routine out there?
>
> Ummm, and this doesn't do the trick with no fuss or muss?
>
>   plot, findgen(10), xstyle=8, xrange=[0,10]   ;; X axis in meters
>   axis, xrange=[0,10]*3.281, xaxis=1, xstyle=1 ;; X axis in feet
       ^^^^^^^^^^^^^^^^^^^

You really meant

     xrange = !x.crange*3.281

didn't you?!!!!!

Thanks for the dash of cold water! Late Friday evening and a hurry
to get out did result in a moronic example!

I picked a linear relationship (in PV-Wave the example of plotting
temperature in F and C is given :-('), but what is the relationship
is not linear? For example, velocity and power so that the upper
axis is the square of the lower one? Is there a nifty way to do
that?
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