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Subject: Re: Plotting versus two x axes

Posted by [David Fanning](#) on Wed, 14 Sep 2011 21:34:57 GMT

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DAVIDE LENA writes:

- > I think I am stuck with a classical problem, but I can't find a
- > solution: I have a set of values that I wish to plot versus two
- > different independent variables, so that I wish to have a bottom and
- > top x-axis showing the two independent variables. I tried using
- > "AXIS, XAXIS=1, ..." but I can't get it working.
- >
- > In gnuplot words I'am trying to do something like:
- > plot 'file.dat' u 3:xtic(1), 'file.dat' u 3:x2tic(2).

Here is an example (that badly needs to be updated to Coyote Graphics!):

[http://www.idlcoyote.com/graphics\\_tips/wavenumber.html](http://www.idlcoyote.com/graphics_tips/wavenumber.html)

Cheers,

David

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David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

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Subject: Re: Plotting versus two x axes

Posted by [David Fanning](#) on Wed, 14 Sep 2011 21:39:06 GMT

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David Fanning writes:

- > Here is an example (that badly needs to be updated to
- > Coyote Graphics!):
- >
- > [http://www.idlcoyote.com/graphics\\_tips/wavenumber.html](http://www.idlcoyote.com/graphics_tips/wavenumber.html)

I should mention, because you want to plot (oplot, actually) on the second axis, that will also require a SAVE keyword on the AXIS command to make that the axis used for the second data set.

Here is another article that is relevant:

[http://www.idlcoyote.com/tips/another\\_yaxis.html](http://www.idlcoyote.com/tips/another_yaxis.html)

Cheers,

David

--

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