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Subject: Re: Alternate plot scales

Posted by [Brad Gom](#) on Thu, 07 Jan 1999 08:00:00 GMT

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David Fanning wrote:

> I don't see any problem. The AXIS command will accept the normal  
> XTICKS, XTICKV, etc. keywords. You can make the axis as elaborate  
> and as tightly spaced as you like. Just remember to set the SAVE  
> keyword on the call so subsequent OPLOTS will use the new axis.  
>

Its funny that someone posted an almost identical question below. I think Sebastien is wanting to do the same thing I am. Your suggested program, however, is not what I need; in the plot, the axis ticks are regularly spaced and there are two plot lines. What I need is one plot line, but with two different scales that you can read values off.

For example, you can plot the Planck Blackbody curve as a function of wavelength, wavenumber, or frequency. Ideally, I want to plot one line, and have three axis that I can read the values off in the proper units. (wavenumber is reciprocal wavelength, and frequency is  $c$  divided by the wavelength). The three axis will necessarily have different spacings- ie one may be linear and another logarithmic.

I can include a scan of a plot that I want to duplicate if I haven't explained myself well enough.

thanks

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