Subject: Re: PLOYY plot
Posted by Paul Van Delst[1] on Wed, 02 Jul 2008 16:47:43 GMT
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d.poreh@gmail.com wrote:
> On Jul 2, 5:51 pm, Paul van Delst <Paul.vanDe...@noaa.gov> wrote:
>> d.po...@gmail.com wrote:
>>> On Jul 2, 5:14 pm, Brian Larsen <balar...@gmail.com> wrote:
>>>> How is Chris' post not what you want? We all obviously need a little
>>>> more explanation here. What I see in Chris' plot is a "wiggle"
>>>> plotted on the bottom x-axis and a "parabola" plotted on the top x-
>>>> axis.
>>>> Brian
>>>> --- -------------
>>>> Brian Larsen
>>>> Boston University
>>>> Center for Space Physicshttp://people.bu.edu/balarsen/Home/IDL
>>> Brian
>>> i want upper x also loarithmic. if i change and put *xlog=1* it is not
>>> work. i want something like this:
>>> https://www.rsg.tu-freiberg.de/twiki/pub/Main/DavodPoreh/as. pdf
>>> as you can see y1=f(x) (left and down) is normal and y2=f(x2)(rigth
>>> and up) is logarithmic.
>> Why? The x-axes aren't related -- at least they shouldn't be since the lower one starts at 0.
>>
>> Why plot two disparate datasets on the same figure? Even if it is valid numbers-wise, it
>> will still be confusing. I don't know anything about the data, but it smacks of advanced
>> plotology to me, i.e. displaying data to make it look a certain way. The plot equivalent
>> of the drunk man under the street light statistics story.
>>
>> cheers,
>>
>> paulv
>
> Paul
> if you search in net Plotyy you can see alot about this for example:
> http://www.sgr.nada.kth.se/unix/software/matlab/senaste/tech doc/ref/plotyy.html
> it is very useful in scince.

Oh, I have no argument about the technique in general. I've done similar to that shown in
the matlab example above. My issue (such as it is) was with the example plot you showed.

cheers,

paulv