
Subject: Re: PLOYY plot
Posted by [d.poreh](#) on Wed, 02 Jul 2008 15:08:10 GMT
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On Jul 2, 4:44 pm, Spon <christoph.b...@gmail.com> wrote:
> On Jul 2, 2:23 pm, d.po...@gmail.com wrote:
>
>
>
>> On Jul 2, 2:15 pm, Brian Larsen <balars...@gmail.com> wrote:
>
>>> Does this work?
>
>>> http://www.dfanning.com/tips/another_yaxis.html
>
>>> Try using that site for all you IDL needs, it is a great first (and
>>> last) stop.
>
>>> Cheers,
>
>>> Brian
>
>>> -----
>>> Brian Larsen
>>> Boston University
>>> Center for Space Physics<http://people.bu.edu/balarsen/Home/IDL>
>
>> Hi Brian
>> I saw that before no it is not what I need. In that image x is same
>> for both y. I want to inter another x (in the top of box) that $y=f(x)$
>> is for right and top.
>> Cheers
>
> You have to call AXIS twice, once for each new axis you require.
> To extend David's example:
>
> x = FINDGEN(100)
> theta = x/5
> curve = SIN(x/5) / EXP(x/50)
> PLOT, curve, YSTYLE=8
> AXIS, YAXIS=1, YLOG=1, YRANGE=[0.1, 100], /SAVE
> AXIS, XAXIS=1, X RANGE =[0, 200], /SAVE
> OPLOT, [theta, REVERSE(theta)]
>
> If you have the same problem as I do with overlayed axes disappearing
> you could get around it by setting YTHICK = 2 & XTHICK = 2 in your
> respective AXIS calls; but this might be a platform-dependent problem
> that doesn't affect you.

>
> Regards,
> Chris

no

what you had done is just put $y_1=f(x)$ & $y_2=f(x)$ in a same figure in need something like this:

<https://www.rsg.tu-freiberg.de/twiki/pub/Main/DavodPoreh/as.pdf>
that means plotting $y_1=f(x_1)$ & $y_2=f(x_2)$ in different axis format as you can see.
cheers
