
Subject: Re: plot label

Posted by [wgallery](#) on Tue, 04 Apr 2006 21:11:26 GMT

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Steve.Morris@libero.it wrote:

> Hi guys!!
> I would like to make some plots, but only with certain number shown in
> the x and y axis. Is there any clever command to do that in IDL ??
>
> For example write only 3000, 3500, 4000, 4500 rather than
> 3100,3200,3300 etc
> Or, example, to write 3000 in bigger size, 3500 in smaller, 4000 in
> bigger on so on ...
>
> Thanks!
> S.

Try using a combination of `xticks`, `xtickv` and `xtickname` as in the following example:

```
;;Program to demonstrate placing axis tick marks at specified values.  
;;Plot a straight line from 0 to 1 with x-ticks at the following  
locations:  
values = [0, .3, .6, .9, 1.0]  
n_int = 4           ;number of x intervals (not x values)  
  
;;labels are what is actually printed at each tick mark  
;;The '!d' and '!n' modifiers are positioning commands (in the IDL help  
index, see  
;;'positioning: commands'. The second and forth labels will be lowered.  
  
labels = ['0', '!b0.3', '!n0.6', '!b0.9', '!n1.0']  
  
plot, [0, 1], [0, 1], $  
    xticks = n_elements(labels)-1, $ ;number of tick intervals  
    xtickv = values, $           ;x-value of each tick mark  
    xtickname = labels          ;text printed at each tick mark  
  
end
```