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Subject: Re: axis and the like

Posted by [f055](#) on Fri, 05 Dec 1997 08:00:00 GMT

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-The other thing I came across today again (it happens about once every  
-two months, but I always forget the solution to it) is how to switch off  
-the axis labeling (answer: [xyz]tick... -see, I forgot again- ...name =  
-replicate(" ",30) ). This is useful if one wants to stack a few plots  
-that share a common x axis and display different species or the same  
-species at different altitudes etc. Wouldn't it be nice to have a simple  
-/NOLABEL option with the plot command ? In fact, this would have one  
-other advantage (or do I miss something here?): If you loop through your  
-plots, you could write something like:

```
-  
-   for i=0,nplots-1 do begin  
-       !p.position=[!lx,!ly(i),!lx+wx,!ly(i)+wy]  
-       if (i eq 0) then nolabel=0 else nolabel=1  
-       plot,x,y(i,*),...,nolabel=nolabel  
-   endfor  
-
```

-I don't see any way how one could do this now, except copying the plot  
-command with all the thousand parameters and have one including the  
-tickname statement and the other without.

The way I do it is (if I want a stack of plots with just the last one  
having a labelled x-axis):

```
!y.margin=[0,0]  
!y.omargin=[4,2]  
for i = 0 , nplots-1 do begin  
    if !p.multi(0) eq 1 then xtf='nolabels' else xtf='  
    plot,x,y(i,*),...,xtickformat=xtf  
endfor
```

and I have the following function in my IDL library directory:

```
function nolabels,axis,index,value  
return,' '  
end
```

Not quite as good as a /nolabels option, but it's easier to remember than  
other methods

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