Subject: Re: axis and the like
Posted by Kevin Ivory on Fri, 05 Dec 1997 08:00:00 GMT
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Martin Schultz wrote:
>
> 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

Just for the records: there is another way of doing it

Use XTICKFORMAT='NOLABEL'

and keep the function NOLABEL somewhere:

```
function NOLABEL, axis, index, value
; function for the graphics keyword tickformat
; returns an empty string for no tick annotation
  return, ''
end
```

> 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=[llx,lly(i),llx+wx,lly(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.

/NOLABEL would be nice, but of course it is possible to have a single plot
command:

```
    label = [[replicate( '', 30)], $ ; label(*,0) gives you default
          [replicate(' ', 30)]]   ; label(*,1) gives you /nolabel
    for i = 0, nplots-1 do begin
      plot, x, y(i,*), $
        position=[llx,lly(i),llx+wx,lly(i)+wy] $ ; ;-)
;       ...,                          $ ; all the thousand parameters
```

```
        xtickname=label(*,i eq 0)
      endfor
```

Learn something new in IDL every day :-)
Kevin
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