
Subject: Re: axis and the like
Posted by [davidf](#) on Fri, 05 Dec 1997 08:00:00 GMT
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Kevin Ivory and Tim Osborn both came up with the same method for suppressing axis labels. Kevin wrote:

```
> 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
```

This is a method I should have thought of myself. :-)

But what I've always done (and I am ashamed to say I don't even *really* know why it works) is this:

```
Plot, data, XTickformat='(A1)'
```

Nuts, now I'm going to have to think up a new question for admission into the IDL Expert Programmers Association. :-(

Cheers,

David

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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 =

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 nlabel=0 else nlabel=1
>       plot,x,y(i,*),...,nlabel=nlabel
>   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
  xtckname=label(*,i eq 0)
```

endfor

Learn something new in IDL every day :-)

Kevin

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