Subject: axis and the like
Posted by Martin Schultz on Thu, 04 Dec 1997 08:00:00 GMT
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David Fanning wrote:
>
> Martin Schultz (mgs@io.harvard.edu) screams for help when he writes:
> [...]

the solution is
xyouts, 0.5, 0.88, /Normal, Align=0.5, 'H!L2!NO [ppmv]'

Uff! Thanks David! I was actually thinking of xyouts too, but in my vicious circle I was too stubborn to abandon the idea that this should be possible with the axis command.

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=[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.

Regards,
Martin.

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Subject: Re: axis and the like
Posted by Kevin Ivory on Fri, 05 Dec 1997 08:00:00 GMT
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David Fanning wrote:
> Kevin Ivory and Tim Osborn both came up with the same
> method for suppressing axis labels. Kevin wrote:

Actually, I was more proud of the second method that doesn't call
another external function. ;-)

> 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)'

The answer is, you are printing the first character of whatever STRING
makes of your numerical tick value. In most cases that will be a space.
To get the idea of what happens, compare
   print, format='(a)', 1.
and
   print, format='(a1)', 1.

I tried to find an example where your method fails, but that is not as
easy as I thought - perhaps impossible.

Cheers
Kevin
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