Subject: Re: Color Fonts?!?!?
Posted by Ken Mankoff on Thu, 18 Apr 2002 19:51:42 GMT

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On Thu, 18 Apr 2002, Sean Davis wrote:
> So my question is, how would I know the correct positions to send to
> XYOUTS so that the xtitle appears in the same place as it would as if I
> had just called
>
> PLOT, findgen(20), xtitle='this is a cool title'

In english if you prefer that to code:

1) plot your data
2) get the length of your *full* title in NORMAL coords like this:
    XYOUTS, 10, 10, title, /norm, width=width
3) get the x-axis range via the !x.crange word
4) translate (2) or (3) to either NORM or DATA coordinates
5) calculate the beginning of the position of the title
    This is 1/2 of your axis range - 1/2 of the length of the title
6) split your title into 3 (or more parts)
7) for each part in (6) do (8)
8) XYOUTS a part of your title, and get the width it took. Translate
    this width to whatever coord system you chose in (4).

Feel free to do the above with any charsize and charwidth you want.
Current limitations would be if you use logarithmic axis, and maybe if
your axis is negative, and probably if your axis increases to the
left, etc...

  -k.
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