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Subject: Re: Color Fonts?!?!?

Posted by [Ken Mankoff](#) on Thu, 18 Apr 2002 19:38:58 GMT

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On Thu, 18 Apr 2002, Sean Davis wrote:

```
> I'm not sure I understand how to find where the XTITLE would have been
> placed on the plot, in the monochrome case. If you knew where the XTITLE
> would have been placed, then it seems that using XYOUTS would work great.
>
> For example, the monochrome case would be
>
> PLOT, findgen(20), xtitle = 'This is a cool title'
>
> It seems to me you're saying that if I wanted the word 'cool' to be blue,
> I could do the following:
>
> 1. PLOT, findgen(20)
>
> 2. Break the title string into 3 strings
>
> 3. Make 3 calls to XYOUTS
>
> 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'
>
> ???
```

The answer to your question is: "use the WIDTH= keyword from XYOUTS"

I put the code below into "title.pro", and call it this way:

```
IDL> title, findgen(20), 'This is a cool title', 'cool', chars=2, charth=3
IDL> plot, findgen(20), xtitle='This is a cool title', /NOERASE, $
    chars=2, charth=3
```

NOTE: if you do not see any difference when overplot with the PLOT,/NOERASE command, that is because on my computer it is producing the \*exact\* same output...

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PRO title, data, title, word, _EXTRA=e
```

```
;;; set up the plot
```

plot, data, \_EXTRA=e

```

;;; get the length of the title
xyouts, 10, 10, title, /norm, width=width, _EXTRA=e
;;; calculate the middle of the X-AXIS of the plot
mid_axis_data = (!x.crange[1] + !x.crange[0]) / 2.
mid_axis_norm = $
  (convert_coord([mid_axis_data,mid_axis_data],/data,/to_norm) )[0]
x_title = mid_axis_norm - (width/2.)

;;; set up the 3 titles
title_norm = strsplit( title, word, /extract, /regex )
title_color = word

;;; draw the 3 titles
xyouts, x_title, 0.02, title_norm[0], /norm, width=w0, _EXTRA=e
xyouts, x_title+w0, 0.02, title_color, /norm, width=w1, color=10, _EXTRA=e
xyouts, x_title+w0+w1, 0.02, title_norm[1], /norm, _EXTRA=e
END

```

[illegible]

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