Subject: Re: IDL eps outpt converted to png for MS PowerPoint
Posted by newbie16 on Tue, 02 May 2006 18:39:14 GMT
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Hi Mike:

Another way for presentation plots I use are the following lines of code I insert into my .pro files (Using a method suggested by David Fanning). For what it's worth, I like a black background with yellow text for my presentations....

```
;       Load the colour table
 ctable = 26    ; Eos A
        loadct, ctable
;  Stretch the colours to have a more "rainbow" like distribution
        gamma_ct, 1.905, /CURRENT

;=======================================================
;       Set up for screen presentation
;       BACKGROUND ===> BLACK
;       FOREGROUND ===> YELLOW
;=======================================================
        resp_PLOT = ''
        print,' '
        print,'PLEASE ENTER (Case sensitive!!!):'
        print,'=========================='
        print,' [S] --- IF YOU WISH TO CREATE PLOTS WITH '
        print,' A BLACK BACKGROUND. '
        print,' '
        print,' [P] --- FOR A PRINT SUITABLE PLOT '
        print,' TO BE USED IN LaTeX'
 read, format='(a1)', resp_PLOT
        print,' '

        plotchoice = ['S','P']
        pc = where(strupcase(resp_PLOT) eq plotchoice)
        case pc[0] of
           0: begin
              print,'CREATING PLOT SUITABLE FOR PRESENTATION'
              print,' '
;       Set "mycolour" ===>  151
              TVLCT, 255, 255, 0, 151 ; Redefine my own yellow
              backColour   = 0     ; Black background
              !P.COLOR    = 151      ; Sets default fonts to yellow
;       Set CHARTHICK so they'll show up better on a dark background
              !P.CHARTHICK=3.0
              image = REPLICATE(backColour, 10, 10)
```

```
        TV, image, XSIZE=!D.X_SIZE, YSIZE=!D.Y_SIZE
      end
      1: begin
        print,'CREATING PLOT SUITABLE FOR PRINT or LaTeX'
        print,' '
        !P.COLOR    = 0 ; Sets Fonts & outlines to black
      end
      else: begin
        print,'CREATING PLOT SUITABLE FOR PRINT or LaTeX'
        print,' '
        !P.COLOR    = 0 ; Sets Fonts & outlines to black
      end
    endcase
;=======================================================
```

And that's it. The major hassle is finding out what value "mycolour" should be set to. To figure this out, I use the following steps:

(1) Use LOADCT to call whatever colour scheme you like to use.
(2) Use XPALETTE to find out what the number of "mycolour" is.
(3) Update the .pro file with the correct value and you're done.
(4) Read the "NOTES" below.

NOTE #1: Sometimes, a pure yellow, for example, may not be defined. In this case I find the closest one, perhaps one with 255, 250, 0 RGB values. I then reset that value to 255, 255, 0 using the TVLCT command. For example, mycolour would be set to 207 if LOADCT called colour table 13.

NOTE #2: The above should be called BEFORE any other command to plot or contour and ALL SUBSEQUENT plot/contour commands should have the "/noerase" keyword added to them. I learned that the hard way....

Cheers,

t.