
Subject: Re: Postscript-problem... :((
Posted by [Liam Gumley](#) on Fri, 14 Nov 1997 08:00:00 GMT
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A.Kuhr wrote:

> Thank you very much, now not only an orange rectangle... :)))
>
> But 2 other problems occurred.... :(((
>
> - the resolution of the printed postscript is very :(((to, like gif.....
> how get a 'nicer' picture...?
>
> - something goes wrong with the colormap.
> on the screen I have colors from blue to red, on the ps only from
> blue to yellow...??
> whats going wrong..?

Astrid,

Try the routine found at the end of this message (colors.pro). I use it to define 16 graphics colors, usually starting at index 0 in the color table. See the example in the program code. To use it with Postscript, try this:

```
;- Do this once before you create the first graphics window in a new IDL
session
device, decomposed = 0
```

```
;- Turn on color Postscript output to 'idl.ps'
current = !d.name
set_plot, 'PS'
device, /landscape, /color, bits = 8
```

```
;- Load the graphics colors
colors
```

```
;- Insert your plot commands here
xyouts, 0.0, 0.05, 'Magenta', /normal, charsize = 5.0, color = 1
xyouts, 0.0, 0.25, 'Red', /normal, charsize = 5.0, color = 5
xyouts, 0.0, 0.50, 'Green', /normal, charsize = 5.0, color = 4
xyouts, 0.0, 0.75, 'Blue', /normal, charsize = 5.0, color = 6
```

```
;- Turn off Postscript output (very important!)
device, /close
set_plot, current
```

There are a few additional tricks if you want to display images with a separate color table, but this should get you started.

Cheers,
Liam.

```

;-----
;pro colors, start = start
;
;+
; Purpose:
;   Load the sixteen McIDAS graphics colors into the current color table.
;
; Calling Sequence:
;   COLORS, START = START
;
; Optional Keywords:
;   START  Start index in the color table where the McIDAS graphics
;          colors will be loaded (default = 0).
;
; Notes:
;   The color table assignments are as follows
;   0 => black
;   1 => magenta
;   2 => cyan
;   3 => yellow
;   4 => green
;   5 => red
;   6 => blue
;   7 => white
;   8 => navy
;   9 => gold
;  10 => pink
;  11 => aquamarine
;  12 => orchid
;  13 => gray
;  14 => sky
;  15 => beige
;
; Example:
;
; colors
;xyouts, 0.0, 0.05, 'Magenta', /normal, charsize = 5.0, color = 1
;xyouts, 0.0, 0.25, 'Red', /normal, charsize = 5.0, color = 5
;xyouts, 0.0, 0.50, 'Green', /normal, charsize = 5.0, color = 4
;xyouts, 0.0, 0.75, 'Blue', /normal, charsize = 5.0, color = 6
;
; Revised:
;   24-JULY-1996 Liam Gumley, CIMSS/SSEC
;
;-

```

```
;- check keywords
```

```
if n_elements( start ) eq 0 then start = 0
```

```
;- load McIDAS graphics color tables
```

```
r = [0,255,0,255,0,255,0,255,0,255,255,112,219,127,0,255]
```

```
g = [0,0,255,255,255,0,0,255,0,187,127,219,112,127,163,171]
```

```
b = [0,255,255,0,0,0,255,255,115,0,127,147,219,127,255,127]
```

```
tv!ct, r, g, b, start
```

```
end
```

```
;------
```
