Subject: Re: More Questions on 24 bit color
Posted by Reinhold Schaaf on Sat, 14 Nov 1998 08:00:00 GMT

I have to admit: I love this newsgroup! More often than not, when I try
to figure out by myself how this or that might work: Presto, there is a
thread in idl-pvwave, where my current problem is discussed!

However, this time some question remained. I have the problem to export
line plots, which are produced by IDL with direct graphics, in some
format that allows the plots to be imported into Word documents (I am
working under NT). Since I cannot assume a postscript printer, exporting
eps-Files is no option. I tried to copy the graphics into the Windows
clipboard and to paste them into the Word document, which worked; but
since I want printer output at a reasonable quality (300 dpi) and since
the size of the plot on the paper has to be not too small (6 inch x 4
inch), this procedure is too memory intensive to be useful.

So I ended up exporting the plot as a gif-file, which can be imported to
Word easily. David's advise in this thread came exactley at the right
time for me, so everything is fine:

```
x = FINDGEN(101)
y = SIN(x/10)

red   = [0, 1, 1, 0, 0, 1, 1, 0]
green = [0, 1, 0, 1, 0, 1, 0, 1]
blue  = [0, 1, 0, 0, 1, 0, 1, 1]
TVLCT, 255*red, 255*green, 255*blue

DEVICE, DECOMPOSED=0

PLOT, x, y, BACKGROUND=1, COLOR=6
snapshot = TVRD(True=1)
image2D = COLOR_QUAN(snapshot, 1, r, g, b, COLORS=256)
WRITE_GIF, 'test.gif', image2D, r, g, b
```

and everything is fine.

But, although the plot in the IDL-window is white (I mean: *really*
white), the background color in the gif-image is not *really* white,
but instead a light grey.

More precisely:

white has RGB values 248,248,248 (instead of 255,255,255)
magenta has 248,0,248 (instead of 248,0,248)

Any suggestions (both to the gif color problem and to the export-import scheme)?

Thankx in advance!

Reinhold

--
** *

Reinhold Schaaf
Ettighofferstr. 22
53123 Bonn
Germany

Tel.: (49)-228-625713
Email: schaaf@astro.uni-bonn.de
** *