Subject: color postscript, colortables and TV
Posted by don shad on Mon, 14 Sep 1998 07:00:00 GMT

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hi

i am having trouble getting the proper colors to be displayed
in a color postscript output with custom colormaps. when i use
a 6 (or 12, or ?) color custom colormap i cannot get images that
are placed using TV to use this colormap when the device is
postscript. on-screen the TV images have the correct colors.

for example, the following code works as expected with onscreen
(X terminal) display - it makes a colorbar, and a plot with two
different color lines; however, when the device is set to ps,
with /color, the code produces a solid rectangle of red instead
of the colorbar. the lines drawn with the plot commands are of
the proper color.

```
red  =  [ 255, 250, 150,50,0, 0]
green = [ 0, 150, 200, 200, 70, 0]
blue =  [ 0, 0, 0, 100, 240, 255]

b=replicate(1b,20) # bindgen(100)
b=bytscl(b,top=6)

set_plot,"ps"
device, /color,filename="test.ps"
tvlct, red, green, blue

plot, [4,5],[6,8], color=2
plots,[4,5],[7,7], color=4
tv, b

end
```

so is my code wrong, or does the TV command not actually look at the
newly loaded colortable, or is there something else that i am missing?

i would appreciate any help.

thanks very much,

don schad
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