
Subject: Re: idl, postscript, color
Posted by [agrap](#)s on Wed, 23 Oct 1996 07:00:00 GMT
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Klaus Bramstedt <bram@gome5.physik.uni-bremen.de> writes:

> I have to plot TrueColor pictures in IDL. These pictures contain colors
> defined as RGB-values. On a TrueColor X-Display everything works fine
> with about 16 million colors, i get very nice pictures. I want to plot
> this pictures on a PostScript color printer. But the 'ps' device in IDL
> only allows 256 colors, which is definitely too less for my pictures.
> Has someone any idea, how to put my pictures on paper?

(posted and emailed)

I'm not sure, but I do the following to get a color postscript file
from the image stored in the Zbuffer. What happens if you change the
bits from 8 to something larger? It might be worth a try. But I would
hope that 2^{24} colors would be enough (for 8 bit colors, each color
coordinate can range from 0 to 255, so the total palette contains
16,777,216 colors. See page 16-7 in the IDL User's Guide.).

```
SET_PLOT, 'Z', /copy  
;copy the device's internal color table  
a = TVRD()  
SET_PLOT, 'PS', /copy  
fn = '/home0/amara/temp.ps'  
DEVICE, filename=fn, /color ,/landscape, bits=8  
TV, a  
DEVICE, /close
```

Amara

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Amara Graps email: agrap@netcom.com
Computational Physics vita: finger agraps@best.com
Multiplex Answers URL: <http://www.amara.com/>
