Subject: Re: Colour Postscript and 'colorbar'.
Posted by davidf on Tue, 28 Jan 1997 08:00:00 GMT
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David Kennedy <D.Kennedy@qub.ac.uk> writes:

> I'm using David Fanning's 'colorbar' routine and, while it looks
> great on screen, its behaving oddly when I try to produce colour
> postscript files. The peak colour in the plot is not the same as
> that at the top of the colour bar (though the annotation etc is).

I have several articles on this topic on my web page, but
try this and see if it doesn't help.

  Set_Plot, 'PS', /Interpolate

David

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Subject: Colour Postscript and 'colorbar'.
Posted by D.Kennedy on Wed, 29 Jan 1997 08:00:00 GMT
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I'm using David Fanning's 'colorbar' routine and, while it looks
great on screen, its behaving oddly when I try to produce colour
postscript files. The peak colour in the plot is not the same as
that at the top of the colour bar (though the annotation etc is).
I have not had to work with colour postscript before and am baffled
as to why this isn't working! And the manual, oddly for IDL to be honest,
is useless. I've been tinkering with this for 2.5 hours now. *sigh*
Anyone see where I'm going wrong here?
(I did set 'loadct, 3, ncolors=100' and use the 'ncolors=100' parameter
in the call to 'colorbar' but all I got then was a partially B&W ps
output...*sigh*)

The relevant code fragments are:
[Postscript setup]
```
 set_plot, 'ps'
 !p.font = 0
```

```
 ps_filename = ''
 read, ps_filename, prompt = 'PS filename: '
 device, /palatino, filename=ps_filename, $
 font_size = 10, /landscape, /inches, xsize = 10,$
  ysize = 7, xoffset = 0.6, yoffset = 10.8, /color, bits=8

[Colour setup and plot]
 loadct, 3
    max_colour = !d.n_colors
    min_colour = 0
    ; Build an array with a colour for every data point.
    colours = bytscl(n, top = max_colour) + min_colour
 ; Plot the data
 FOR counter=0, (n_elements(l)-1) DO BEGIN
 POLYFILL, CIRCLE(l(counter), b(counter), beam_radius),$
   /FILL, color=colours(counter)
 ENDFOR

[Call 'colorbar']
 colorbar, /vertical, position=[0.92, 0.10, 0.95, 0.90],$
  divisions=8, bottom = min_colour, $
  max = n_max, min = n_min, format='(E10.1)', $
  title = 'Column Density', color=0, /pscolor
```

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