
Subject: Re: being clever with postscript

Posted by [Kenneth P. Bowman](#) on Thu, 08 May 2008 23:28:00 GMT

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In article

<446f54e5-5a8c-4a02-8ed7-0095107f1bc3@l64g2000hse.googlegroups.com>, ianpaul.freeley@gmail.com wrote:

- > OK, here's the situation I'm sick of: I've written a pile of code
- > that, after performing some amazing array manipulation, generates some
- > beautiful plots. Now I'd like to include the plots in a scientific
- > paper by creating encapsulated postscript files. The problem is, for
- > many of the plots I will want to convert them to black and white to
- > save printing costs. For those that I want to leave in color, I'll
- > need both CMYK and RGB versions (CMYK for the printers, and RGB to put
- > on-line).
- >
- > Can anyone come up with a clever wrapper to put around my plot
- > commands so that IDL outputs B&W, RGB, and CMYK postscript files? It
- > would really be handy if I could open multiple devices to plot to
- > simultaneously, but I don't see any way to do that.
- >
- > I could just write a loop around all my current "device" calls, but I
- > was hoping for something more elegant.
- >
- > cheers,
- > IP Freeley

You can look at my ps_on and ps_off routines (idl.tamu.edu) or Liam Gumley's similar routines. Add the keywords you need and you're set.

Beware, the PS device driver only supports 8-bit color for lines and the like (24-bit is only for images).

Ken Bowman

Subject: Re: being clever with postscript

Posted by [R.G. Stockwell](#) on Fri, 09 May 2008 18:10:24 GMT

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<ianpaul.freeley@gmail.com> wrote in message
news:446f54e5-5a8c-4a02-8ed7-0095107f1bc3@l64g2000hse.google groups.com...

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- > need both CMYK and RGB versions (CMYK for the printers, and RGB to put
- > on-line).

Dr. Freeley,
first, put rubber sheets on your bed.

second, create B&W ps files, do not convert. Colors that are very different can convert to the same greyscale, and cause confusion in the b&w output (and you might not even notice).

as for CMYK, in the past I have opened the PS in photoshop of paintshop pro and just converted to CMYK Tiffs for publication, although it did run into various problems.

Cheers,
bob
