Hi!

This is a hard one, because it is perhaps a Linux-Ghostcript and perhaps
an IDL-PostScript problem. I hope there is some overlap of both
communities ;)

I try to print a multiplot color postscript file generated by IDL 5.2
for Linux on my Epson Stylus Color 640 with the aid of ghostscript.
(I use the uniprint epson 600 driver with 1440x720 resolution).

The printer starts printing, but after about 1/3 of the page is
completed (depending on the exact size of the file) the printer hangs
being "busy" without further error messages (because ghostcript stops,
too (?)). I have to turn it off.
The actual part that has been printed is perfectly alright.

I can print some IDL PostScript files and they come out fine.

I've already tried out if the number of polygons in the file is the
problem by printing out a contour and shade_surf plot of a 300x300 array
of random numbers (that gives a 7.7MB ps-file).
As expected, I get the usual message:
% Number of Polygon vertices exceeds limit for some PostScript printers.
but the printout works fine.

The idl commands:

!P.MULTI = [0,2,2]
SET_PLOT, "PS"
DEVICE, FILENAME = '/home/amir/pstest.ps', COLOR = 1
DEVICE, XSIZE = 18, YSIZE = 20, XOFFSET = 1.25, YOFFSET = 6

CONTOUR, randomnumberarray, /FILL, NLEVELS = 32
SHADE_SURF, randomnumberarray

DEVICE, /CLOSE_FILE
SET_PLOT, "X"

Again, this works.
And the commands for setting the postscript device in the "faulty" file
code are exactly the same (except for what is plotted, which is rather
complex, but gives a much smaller file, around 200KB).

I also know for shure that the files I'd like to print SHOULD be ok,

because:
1) I've printed these files on a PostScript printer in a Unix
environment, and
2) I can have a look at them on my own computer with ghostview (meaning
that ghostscript probably works and doesn't have general complaints).

I can print out truly large files, too, something like 30 MB raster
graphics, no problem.

The printing commands I use:
lpr /data5/PS/y02_d_ch1_2dtc.ps

and as long as the printer prints lpq gives
lpq
lp is ready and printing
Rank   Owner   Job Files   Total Size
active amir   25   /data5/PS/y02_d_ch1_2dtc.ps   178312
bytes

the processes invoked by lpr are:
1.) bash /var/spool/lpd/lp/filter -w132 -l66 -i0 -n amir -h
wimp.ucsf.edu
2.) sh /usr/lib/rhs/rhs-printfilters//ps-to-printer.fpi
3.) gs -q -sDEVICE=uniprint -r1440x720 -sPAPERSIZE=letter -dNOPAUSE
-dSAFER -sOutputFile=- @stc600ih.upp -

these three jobs just stop after a while and remain in that state
infinitely until I terminate them manually.

My System: RH-5.2-Linux, Kernel 2.2.9, ghostscript 5.10.

Does anyone have a clue?
If someone's interested in the actual ps-file for debugging the epson
driver, it's only 30KB when gzipped, just ask for it, or the idl code.

thanx,
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