Pnmtopclxl User Manual

pnmtopclxl

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NAME

pnmtopclxl - convert a PNM image to an HP LaserJet PCL XL printer stream

SYNOPSIS

pnmtopclxl [**-dpi** *N*] [**-xoffs** *N*] [**-yoffs** *N*] [**-center**] [**-duplex** {**vertical**|**horizontal**}] [**-format** *paperformat*] [**-feeder** *N*] [**-copies** *N*] [**-colorok**] [**-rendergray**] [**-jobsetup=***filename*] *pnmfile1 pnmfile2 ...*

DESCRIPTION

This program is part of Netpbm. **pnmtopclxl** reads one or more PNM input streams, each containing one or more PNM images, and generates a sequence of output pages in the HP PCL-XL (formerly named PCL 6) printer control language. You can send this stream to a PCL-XL printer to print the images.

If the input is PPM, the output is a color printer stream (the PCL color space is RGB). Otherwise, the output is grayscale (the PCL color space is grayscale). If you want a grayscale output from a color input, run your input through **ppmtopgm**. See the **-colorok** option for more information about choosing between color and grayscale.

The output goes to Standard Output. All of the pages go to one file, concatenated in the same order as the input images.

OPTIONS

-dpi *N*This option selects the resolution of the image (not the printer!). *N* is the resolution in dots per inch, from 1 to 65535. The default is 300.

-xoffs *N*This option and **-yoffs** determine the location on the page of the upper left corner of each image. Note that the image may have built in borders tool, which would make the main image within more left and down that what you specify here.

-xoffs and **-yoffs** specify the distance from the left of the page and from the top of the page, respectively, in inches, of the upper left corner of the image. The default for each is zero.

These options are meaningless if you specify **-center**.

-yoffs *N*See **-xoffs**.

-center This option tells **pnmtopclxl** to center each image on the page. If you don't specify this option, the position of an image on the page is determined by **-xoffs** and **-yoffs** (or their defaults).

-duplex {**vertical**|**horizontal**} This optioncauses **pnmtopclxl** to create a printer stream that prints pages on boths sides of the sheet of paper. **vertical** means to print them so that the left edge of both pages is on the same edge of the sheet, while **horizontal** means the more usual duplexing where the top of both pages is on the same edge of the sheet.

-format *paperformat*This option selects the media (e.g. paper size) that the printer control stream specifies. *paperformat* is one of the following self-explanatory keywords:

letter

legal

a3

a4

a5

a6

jb4

jb5

jb6

exec

ledger

b5envelope

c5envelope

com10envelope

monarchenvelope

dlenvelope

jpostcard

jdoublepostcard

The default is "letter".

-feeder *N*This options selects the media source (e.g. paper tray) that the printer control stream specifies.

-copies *N*This option specifies the number of copies that the printer control stream tells the printer to print.

-colorok This option simply tells **pnmtopclxl** not to warn you if you supply a color input and therefore get color output. By default, **pnmtopclxl** issues a warning any time it produces a color printer stream because it is usually a mistake. It's a mistake because PCL XL is mainly used for laser printers, and laser printers are mainly black and white. If you send a color print stream to a black and white printer, it typically refuses to print anything, and even if it manages to convert it to black and white and print it, it takes 3 times as long to transmit a color stream to the printer than to transmit the grayscale image that gives the same result.

-rendergray This option causes **pnmtopclxl** to include in the output stream a command to set the RENDERMODE environment variable to GRAYSCALE, which typically causes the printer to print in grayscale regardless of the colors in the input, and may cause it to run much faster even if the image is grayscale anyway.

This option was new in Netpbm 10.29 (August 2005).

-jobsetup=*filename*This option causes **pnmtopclxl** to include arbitary job setup PJL commands at the beginning of the output stream. It reads them from the named file.

pnmtopclxl does not inspect these commands in any way, but it does expect them to be job setup commands. If you have garbage in your file, you will hear from the printer.

This option was new in Netpbm 10.29 (August 2005).

SEE ALSO

ppmtolj, **pbmtolj**, **ppmtopj**, **ppmtopjxl**, **thinkjettopbm**, **ppm**

HISTORY

pnmtopclxl was added to Netpbm in Release 10.6 (July 2002). It was contributed by Jochen Karrer.

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