

NAME

dvipdfm – Produce PDF files directly from DVI files

SYNOPSIS

dvipdfm [*options*] *file* [.dvi]

DESCRIPTION

The program **dvipdfm** generates a PDF file from a DVI file. DVI files are the output format produced by TeX. Output from **groff** can be converted to DVI format using **grodvi**.

The program **dvipdfm** recognizes several commonly used **\special** commands, which are extensions to the DVI format. Specifically, it understands color specials, papersize specials, tpic specials (which allow it to be used with **pic**), hypertext specials, and some PostScript specials. These extensions allow documents to contain color, figures, and hyperlinks. The program tries to mimic the behavior of **dvips** so that many macro packages produced for use with **dvips** will work with **dvipdfm**. Dvipdfm understands its own specific **\special** commands to allow access to PDF features such as annotations and bookmarks. For more details, consult the *Dvipdfm User's Manual*, which is distributed with **dvipdfm**.

OPTIONS

- c** Ignore color **\specials**. The **-c** toggles a flag that disables color **\special** processing. Unless changed in the configuration file, that flag is off, and color **\specials** are interpreted normally. The **-c** option may be used to produce a black and white document from a document containing color TeX **\special** commands.
- d** Remove thumbnail images after including them. (See the **-t** option for more information.)
- e** Toggle partial font embedding flag. If partial font embedding is off, embedded fonts are *fully* embedded. The default, if not changed in the configuration file, is to embed only those glyphs actually used in the document.
- f map_file**
Set the name of the font map file to *map_file*. The format of the font map file is documented in the *Dvipdfm User's Manual*.
- l** Select landscape mode. In other words, exchange the *x* and *y* dimensions of the paper.
- m mag**
Magnify the input document by *mag*.
- o name**
Generate PDF output file having the name *name*. By default, the name of the output file is *file.pdf*.

-p paper

Select the papersize by name (e.g., **letter**, **legal**, **ledger**, **tabloid**, **a3**, **a4**, or **a5**)

-r size

Set resolution of bitmapped fonts to **size** dots per inch. Bitmapped fonts are generated by the Kpathsea library, which uses MetaFont. Bitmapped fonts are included as type 3 fonts in the PDF output file.

-s page_specifications

Select the pages of the DVI file to be converted. The *page_specifications* consists of a comma separated list of *page_ranges*:

page_specifications := *page_specification*[,*page_specifications*]

where

page_specification := *single_page*|*page_range*

page_range := [*first_page*]-[*last_page*]

An empty *first_page* is implied to be the first page of the DVI file. An empty *last_page* is treated as the last page of the DVI file.

Examples:

-s 1,3,5

includes pages 1, 3, and 5;

-s - includes all pages;

-s -,-

includes two copies of all pages in the DVI file; and

-s 1-10

includes the first ten pages of the DVI file.

-t Search for thumbnail images of each page in the directory named by the **TMPDIR** environment variable. The thumbnail images must be named in a specific format. They must have the same base name as the DVI file and they must have the page number as the extension to the file name. Dvi_{pdfm} does not generate the thumbnails itself, but it is distributed with a wrapper program named **dvi_{pdfm}t** that does so.

-v Increase verbosity. Results of the **-v** option are cumulative (e.g., **-vv**) increases the verbosity by two increments.

-x x_offset

Set the left margin to *x_offset*. The default left margin is **1.0in**. The dimension may be specified in any units understood by TeX (e.g., **bpt**, **pt**, **in**, **cm**)

-y *y_offset*

Set the top margin to *y_offset*. The default top margin is **1.0in**. The dimension may be specified in any units understood by TeX (e.g., **bpt, pt, in, cm**)

-z *compression_level*

Set the compression level to *compression_level*. Compressions levels range from 0 (no compression) to 9 (maximum compression) and correspond to the values understood by zlib.

ENVIRONMENT

Dvipdfm uses the **kpathsea** library for locating the files that it opens. Hence, the environment variables documented in the *Kpathsea library* documentation influence **dvi_{pdfm}**.

Dvipdfm also reads the following environment variables:

TMP

The directory to search for thumbnail images of each page.

FILES

The precise location of the following files is determined by the *Kpathsea library* configuration. The location may be determined by using `kpsewhich`, e.g.,

kpsewhich -programe=dvi_{pdfm} -format='other text files' config

config

Startup options

tlfonts.map

The default font map file (this name may be changed in the config file).

*.*tfm* TeX font metrics

*.*vf* TeX virtual font files

*.*pfb* PostScript Type 1 font files

texmf.cnf

The Kpathsea library configuration file. The location of this file may be found by typing **kpsewhich texmf.cnf**

SEE ALSO

tex(1), **dvi_{ps}(1)**, **groff(1)**, **grodvi(1)**, **pic(1)**, and the *Kpathsea library* info documentation.

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