

NAME

`dvitype`, `odvitype` – translate a dvi file for humans to read

SYNOPSIS

dvitype *dvi_file*[.dvi]

DESCRIPTION

The **dvitype** program translates a DVI (DeVice Independent) file output by (for example) **tex**(1) or **gftodvi**(1), to a file that humans can read. It also serves as a DVI file-validating program (i.e., if **dvitype** can read it, it's correct) and as an example of a DVI-processing program for future device drivers.

The output from **dvitype** can include all commands, just the important ones, or none at all (in which case only errors are reported). A subinterval of pages may be selected, the magnification and resolution of the “output device” may be changed, and so on.

The **.dvi** extension is supplied if omitted from *dvi_file*. The output goes to stdout.

The **odvitype** program does the same job for Omega/Aleph's output, modified to support their *.ofm* font format.

OPTIONS

See **tex**(1) for details of command-line parsing.

-dpi=real

Set resolution to *real* pixels per inch; default 300.0.

-magnification=number

Override existing magnification with *number*.

-max-pages=number

Process *number* pages; default one million.

-output-level=number

Verbosity level, from 0 to 4; default 4.

-page-start=page-spec

Start at *page-spec*, for example '2' or '5.*.-2'.

-show-opcodes

Show numeric opcodes (in decimal).

The standard **-help** and **-version** options are also supported.

ENVIRONMENT

The environment variable **TEXFONTS** is used to search for the TFM files used in the DVI file. See **tex**(1) for the details of the searching. If **TEXFONTS** is not set, it uses the system default.

SEE ALSO

gftype(1), **pktype**(1).

Donald E. Knuth, *T_EXware*.

DVI structure topic on CTAN: <https://ctan.org/topic/dvi-struct>

Package page on CTAN: <https://ctan.org/pkg/dvitype>

Section in the Web2c manual: <https://tug.org/texinfohtml/web2c.html#dvitype-invocation>

Typeset source code, including the DVI file format description: <https://ctan.org/pkg/knuth-pdf>

AUTHORS

Donald E. Knuth wrote the program, based on work by David Fuchs. It was published as part of the *TEXware* technical report from Stanford. Howard Trickey and Pavel Curtis originally ported it to Unix. Yannis Haralambous and John Plaice created the Omega version.

Public discussion list and bug reports: <https://lists.tug.org/tex-k>