

**NAME**

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

**SYNOPSIS**

**`dvitype`** *dvi\_name*[**`.dvi`**]

**DESCRIPTION**

This manual page is not meant to be exhaustive. The complete documentation for this version of T<sub>E</sub>X can be found in the info file or manual *Web2C: A TeX implementation*.

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-reading program for future device drivers.

The output file 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 for transliteration; the magnification and resolution of the “output device” may be changed; and so on. All options are specified with an on-line dialog.

The **`.dvi`** extension is supplied if omitted from *dvi\_name*. The output goes to *stdout*.

**OPTIONS**

**`-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).

**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<sub>E</sub>X for troffware*.

**AUTHORS**

Donald E. Knuth wrote the program. It was published as part of the *T<sub>E</sub>X for troffware* technical report, available from the T<sub>E</sub>X Users Group. Howard Trickey and Pavel Curtis originally ported it to Unix.