

NAME

chkdvifont – CHecK DVI/tfm/font file and tell informations of FONTS

SYNOPSIS

chkdvifont [-s] [-c] [-{f}F]<font_data_file> [-d] dvi_file_name

chkdvifont [-s] [-c] [-{f}F]<font_data_file> [-t] tfm_file_name

chkdvifont [-s] [-c] [-{f}F]<font_data_file> [-p] font_file_name

DESCRIPTION

Chkdvifont is a utility to check DVI and other T_EX font-related formats (such as TFM, VF, GF and PK) and print information of those fonts. There are 3 modes;

Option **-d**: force DVI mode

Option **-t**: force TFM/OFM mode

Option **-p**: force other FONT mode

By default, the mode is guessed from the file extension.

EXAMPLE

(1) If you want to know what font is used in sample.dvi,

```
$ chkdvifont sample.dvi
dvi file name           = sample.dvi
comment                 = TeX output 2007.11.24:0632
factor converting to 10^{-5}m = 25400000/473628672
magnification           = 1000
maximum width           = 26083328 scaled points = 398 points
maximum height+depth   = 11099063 scaled points = 169 points
maximum stack depth    = 4
number of pages         = 13
page size               = 14.0 cm x 6.0 cm
page size magnificated = 14.0 cm x 6.0 cm
```

Font 14

```
checksum                = 44D3ED74
design size              = 1132462 scaled points = 17 points
space size              = 1630536 scaled points = 24 points
magnification           = +magstep2
font name               = cmr17
```

Font 7

```
checksum                = 4BF16079
design size              = 655360 scaled points = 10 points
space size              = 655360 scaled points = 10 points
font name               = cmr10
```

(2) If you want to know the brief summary of jis.tfm,

```
$ chkdvifont jis.tfm
```

```
"jis" is a jfm file : 0 -> 5
checksum           = 00000000
design size        = 10485760 2^{-20} points = 10 points
```

(3) If you want to know what font is referred to by jis.vf,

```
$ chkdvifont jis.vf
"jis.vf" is in VF format
checksum           = 00000000
design size        = 10485760 2^{-20} points = 10 points
```

```
Mapped Font 1
font dsize        = 10485760 2^{-20} points = 10 points
font at           = 0.962216
font name         = rml
```

Listing the fonts used in a DVI file (as shown in the first example) is almost equivalent to **dvifontlist** in TeX-Guy package <<http://www-masu.ist.osaka-u.ac.jp/%7Ekakugawa/TeX-Guy/>> and a script **dviinfo** <<https://ctan.org/pkg/dviinfo>>. I don't know any alternatives for obtaining information about TFM, OFM, VF and other font formats.

SEE ALSO

pltotf(1), tftopl(1), vptovf(1), vftovp(1)

AUTHOR

The program **chkdvifont** (original name "chkfont") is derived from the DVIOUT package (DVI previewer for Windows) by Toshio OSHIMA ("SHIMA"), Yoshiki OTOBE, and Kazunori ASAYAMA. Current version is maintained by Japanese T_EX Development Community <<https://texjp.org>>.

For more information, please refer to chkdvifont-ja.txt (in Japanese) on our GitHub repository, <<https://github.com/texjorg/tex-jp-build>> (under source/texk/dviout-util directory).