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 TeX 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 **dviinfox** <https://ctan.org/pkg/dviinfox>. 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 TeX Development Community <https://texjp.org>.
For more information, please refer to chkdvifont-ja.txt (in Japanese) on our GitHub repository, <https://github.com/texjporg/tex-jp-build> (under source/texk/dviout-util directory).