

NAME

`dvispc` – Modify a DVI file to be page-independent in specials

SYNOPSIS

dvispc [-c] [-bvz] *input_dvi_file* [*output_dvi_file*]

dvispc -d *input_dvi_file*

dvispc -s [-p..] *input_dvi_file* [*output_text_file*]

dvispc -a [-ltv] [-J..] [-p..] [-r..] *input_dvi_file* [*output_text_file*]

dvispc -x[.] [-ltv] [-r..] [*input_text_file*] *output_dvi_file*

DESCRIPTION

Dvispc is a utility to modify/edit T_EX DVI file with the following features:

Mode option **-c** (default):

correct an input DVI to be page-independent in specials (default)

Mode option **-d**:

dry run to check if an input DVI is page-independent in specials

Mode option **-s**:

show all specials in the input DVI

Mode option **-a**:

translate DVI into a Text (like **dv2dt** in dtl)

Mode option **-x**:

translate Text into a DVI (like **dt2dv** in dtl)

(1) The *main* feature of **dvispc** is the first one, to make a page-independent DVI file.

A "pure" DVI file must be actually page-independent. However in recent years, DVI files with lots of \special's (color, annotation etc.) are commonly used, and they are not always page-independent. In such case, for example, **dviselect** or **dvidvi** fails to preserve \special's (e.g. page color might be lost).

The program **dvispc** corrects such page-"dependent" DVI files to be page-independent, which can be safely processed by **dviselect** or **dvidvi** and then properly converted to other formats such as PostScript and PDF.

(2) To know whether such a correction is needed or not, **dvispc -d** will suffice.

(3) The mode **-s** lists all specials found in the input DVI as-is, with a preceding number which denotes the page where it appears. For example,

```
[1]
{color push Black}
{color pop}
{color push rgb 1 0 0}
{color pop}
[2]
{color push Black}
{color pop}
```

This feature is equivalent to a program **dvispecials** in TeX-Guy package <<http://www-masui.ist.osaka-u.ac.jp/%7Ekakugawa/TeX-Guy/>> and **dvii -s** <<http://ctan.org/pkg/dvii>>.

(4) The mode **-a** and **-x** correspond to **dv2dt** and **dt2dv** in the dtl (= DVI Text Language) package respectively. By default **dvips** **-a** formats the output text in its own style, but DTL-compatible format is available with **-t** option. Also, **dvips** **-x** can accept DTL-compatible text input.

SUPPORTED SPECIALS

Currently **dvips** supports the followings:

dvips-compatible specials

color push, color pop, background

dvipdfm(x) specials

pdf:bcolor, pdf:ecolor, pdf:bgcolor, pdf:bann, pdf:eann

tpic specials:

pn

Other specials might be supported in the future if needed.

SEE ALSO

dviselect(1), dvidvi(1), dvips(1), dvipdfmx(1)

AUTHOR

The program **dvips** 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 `dvips-en.txt` (in English) and `dvips-ja.txt` (in Japanese) on our GitHub repository, <<https://github.com/texjporg/tex-jp-build>> (under `source/texk/dviout-util` directory).