NAME

dvitodvi – rearrange pages in a DVI file

SYNOPSIS

dvitodvi [**−q**] [**−i** *infile*] [**−o** *outfile*] [**−w***width*] [**−h***height*] *pagespecs* [*infile* [*outfile*]]

DESCRIPTION

Dvitodvi rearranges pages from a DVI file, creating a new DVI file. *Dvitodvi* can be used to per-
form a large number of arbitrary re-arrangements of Documents, including arranging for printing
2-up, 4-up, booklets, reversing, selecting front or back sides of documents, scaling, etc.

pagespecs follow the syntax:

pagespecs	= *[modulo:][mag@]specs*
specs	= *spec[+specs][,specs]*
spec	= *[-]pageno[(xoff,yoff)]*

modulo is the number of pages in each block. The value of *modulo* should be greater than 0; the
default value is 1. The optional *mag* parameter adjusts the file's magnification by the magnifica-
tion specified. The magnification and modulo can be specified in reverse order if desired. *specs*
are the page specifications for the pages in each block. The value of the *pageno* in each *spec*
should be between 0 (for the first page in the block) and *modulo*-1 (for the last page in each
block) inclusive. The optional dimensions *xoff* and *yoff* shift the page by the specified (positive)
amount. *xoff* and *yoff* are in PostScript's points, but may be followed by the units **cm** or **in** to
convert to centimetres or inches, or the flag **w** or **h** to specify as a multiple of the width or height.
If the optional minus sign is specified, the page is relative to the end of the document, instead of
the start.

If page *spec*s are separated by + the pages will be merged into one page; if they are separated by
they will be on separate pages. If there is only one page specification, with *pageno* zero, the
pageno may be omitted.

The −*w* option gives the width which is used by the **w** dimension specifier, and the −*h* option
gives the height which is used by the **h** dimension specifier. These dimensions are also used (after
scaling) to set the clipping path for each page.

Dvitodvi normally prints the page numbers of the pages re-arranged; the −*q* option suppresses
this.

EXAMPLES

This section contains some sample re-arrangements. To put two pages on one sheet (of land-
scaped A3 paper), the pagespec to use is:

2:0+1(21cm,0)

To reduce an A3 page to A4 size, the pagespec to use is:

700@(-.3in,-.3in)

To select all of the odd pages in reverse order, use:

2:-0

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SEE ALSO

dviconcat(1), dvibook(1), dviselect(1), latex(1), tex(1)
MC-TeX User's Guide
The TeXbook

BUGS

Dvitodvi does not adjust some of the parameters in the postamble. This may be a problem if these values are used to size certain structures in the output conversion programs.