NAME

      dvipos − compute positions in a DVI file

SYNOPSIS

      dvipos [*OPTION...*] *infile[.dvi]*

DESCRIPTION

      dvipos parses a DVI file looking for *pos:* specials. It currently recognizes *pos:pxy*, *pos:pxywhd*, *pos:pxy-plus*, *pos:begbox*, *pos:endbox*, *pos:beglines*, and *pos:endlines*. It then outputs the information from those specials along with information that only a DVI postprocessor could determine, such as the current *x* and *y* location. The output looks like:

            \pospxywhd{text:54}{54}{10663sp}{8535sp}{21326sp}{34081sp}{0sp}

      and is suitable for including in a **tex**(1) or **pdftex**(1) auxilliary file, such as *document.tuo*, to be read in on the next run.

OPTIONS

      -h, --help

            print usage.

      -W, --warning

            print warnings.

      -v, --verbose

            print verbose output.

      -d, --debug

            print **dvitype**(1) debugging data.

      -s, --smashchars

            regard height and depth as zero.

      -o, --output=￼*FILE*

            send all output to FILE. Without this option, output goes to stdout.

      -b, --bbox[=￼*FILE*]

            send bounding box to FILE (default FILE is *infile.pos*).

      -f, --framed[=￼*BASE*]

            request copy of DVI file, *BASE.dvi*, with bounding boxes **framed** (default FILE is *infile_frames.dvi*). See the **--framesize** option.

      -m, --mag=￼*INT*

            override **tex**(1) magnification by INT.

      -w, --framesize=￼*INT*

            set frame rule size by INT (default 6554 = .1pt).

      -p, --pages=￼*X:Y*

            set page ranges from X to Y.

USAGE

      dvipos is run mostly by ConTeXt's **texexec**(1) between runs of **tex**(1) or **pdftex**(1), in order to compute positions for the metafun interface to **mpost**(1). A typical use:

            dvipos notes.dvi

      The position information that is output is collected by **texexec**(1) to include in the *notes.tuo* auxilliary file for the next run to use.

EXAMPLES

Extract positions from *doc.dvi*, with output to *doc.loc*:
```
dvipos -o doc.loc doc.dvi
```

Same as above, but also send bbox information to *doc.pos*:
```
dvipos -b -o doc.loc doc.dvi
```

Instead send bbox information to */tmp/debug.pos*:
```
dvipos -b=/tmp/debug.pos -o doc.loc doc.dvi
```

SEE ALSO

dvips(1), **dvitype**(1), **mpost**(1), **pdftex**(1), **tex**(1), **texexec**(1).

BUGS

If you specify a file for the **-b** option, you must join the option and name with rather than (the more common) space:
```
dvipos -b=/tmp/debug.pos notes.dvi
```
works, but
```
dvipos -b /tmp/debug.pos notes.dvi
```
does not.

AUTHOR

dvipos is written by Jin-Hwan Cho <chofchof@ktug.or.kr>. It is free software (GPLv2 or later). This manpage was written by Sanjoy Mahajan <sanjoy@mit.edu> and is in the public domain.