

**NAME**

lout - prepare Lout document for printing

**SYNOPSIS**

lout [ -i<filename> ] files

**DESCRIPTION**

Invoke the Basser Lout interpreter on the concatenation of the named files, producing a PostScript file on standard output suitable for printing on PostScript printers using `lpr(1)`. If no files are named, `stdin` is used instead. The special file name `-` may be used to denote standard input. There may be white space between flags like `-i` and their associated `<filename>` or `<dirname>` values.

An optional `.lout` suffix may be used for Lout source and include files. When invoking files ending in this suffix the suffix may be omitted.

**OPTIONS**

- `-i<filename>` Search the directories of the include file path (see below) for `<filename>` or `<filename>.lout` and include it. There may be multiple `-i` options.
- `-s` Suppress all reading and writing of the cross reference database; other databases are not affected. Useful when many simple documents that don't do any cross referencing are stored in one directory.
- `-e<filename>` Direct error messages to `<filename>` instead of to `stderr`.
- `-o<filename>` Direct PostScript output to `<filename>` instead of to `stdout`.
- `-I<dirname>` Add `<dirname>` to the list of directories searched for `@Include` files and `-i` option files. There may be multiple `-I` options. `@Include` first searches the current directory, then searches the `-I` directories in the order given, and finally searches the default include file directory (see below). `@SysInclude` and the `-i` option omit the search of the current directory.
- `-C<dirname>` Add `<dirname>` to the list of directories searched for character encoding (`.CEV`) files. There may be multiple `-C` options; the directories are searched in the order given, and finally the default encoding vectors directory is searched (see below).
- `-F<dirname>` Add `<dirname>` to the list of directories searched for font metrics (`.AFM`) files. There may be multiple `-F` options; the directories are searched in the order given, and finally the default font metrics directory is searched (see below).
- `-D<dirname>` Add `<dirname>` to the list of directories searched for Lout database files. There may be multiple `-D` options. `@Database` searches the current directory, then the `-D` directories in the order given, and finally searches the default databases directory (see below). `@SysDatabase` omits the search of the current directory.
- `-u` Print usage information on `stderr`.
- `-V` Print version information on `stderr`.
- `-EPS` Produce output in the form of an EPS (Encapsulated PostScript) file, suitable for inclusion in another document.

**LIMITS**

- At most 255 input files (no limit on `@IncludeGraphic` files)
- At most 255 characters per input line
- At most 100 fonts (each different size counts as one font)
- At most 5 deep nesting of `@Include` files

**FILES**

- Binary file: `<BINDIR>/lout`
- Default include file directory: `<LIBDIR>/include`

Default databases directory: <LIBDIR>/data  
Default font metrics directory: <LIBDIR>/font  
Default encoding vectors dir.: <LIBDIR>/evec  
Lout documentation directory: <DOCDIR>

**SEE ALSO**

lpr(1), ghostview(1)

**REFERENCES**

For a description of the Lout document formatting system, see Jeffrey H. Kingston, "Document Formatting with Lout", Tech. Rep. 449, Basser Dept. of Computer Science, The University of Sydney 2006, Australia (December 1992). See Adobe Systems Inc., "PostScript Language Reference Manual (Second Edition)", Addison-Wesley, 1990, for PostScript.

**AUTHOR**

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