

NAME

musixtex – processes MusiXTeX files, using pre-processors **prepmx**, **pmxab** and **autosp** as necessary, and then deletes intermediate and log files (unless **-i** is used)

SYNOPSIS

[**texlua**] **musixtex**[**.lua**] { *option* | *jobname* [*.mtx* | *.pmx* | *.aspc* | *.tex* | *.ltx*] } ...

If a *jobname* argument has a *.tex* extension, the default effect is to process the file using

etex(1) (first pass)

musixflx(1) (second pass)

etex(1) (third pass)

dvips(1) (dvi to Postscript)

ps2pdf(1) (Postscript to Portable Document Format)

normally followed by removal of intermediate and log files. A log **musixtex.log** is generated, even if other log files are removed.

If a *jobname* argument has a *.pmx* extension, the file is first preprocessed using **pmxab**(1) and the resulting *.tex* file is processed as above.

If a *jobname* argument has a *.mtx* extension, the file is first preprocessed using **prepmx**(1) and the resulting *.pmx* file is processed as above.

If a *jobname* argument has a *.aspc* extension, the file is first preprocessed using **autosp**(1) and the resulting *.tex* file is processed as above.

If a *jobname* argument has a *.ltx* extension, the file is processed using **latex**(1) (or **pdflatex**(1)).

If a *jobname* argument has no extension, the script will look for a file *jobname.mtx* or *jobname.pmx* or *jobname.aspc* or *jobname.tex* or *jobname.ltx*, in that order, and process it as above.

OPTIONS

- v** output program name and version number, and quit
- h** output usage summary and quit
- l** assumes LaTeX source; implied if the file has *.ltx* extension
- p** changes the TeX processor to **pdfetex**(1) or **pdflatex**(1) (and doesn't run **dvips**(1) and **ps2pdf**(1) or **dvipdfm**(1))
- c** preprocess pmx file using **pmxchords**(1)
- d** changes the dvi processor to **dvipdfm**(1)
- F fmt** uses **fmt** as the TeX processor; e.g., **-F "luatex --output-format=dvi"**
- m** stops processing at the pmx file
- t** stops processing at the tex/mid files
- s** stops processing at the dvi file
- g** stops processing at the ps file
- i** retain intermediate and log files
- 1** one-pass [pdf][la]tex processing; i.e., without calling **musixflx**

- x** call **makeindex(1)** to update index database
- f** restore default processing
- q** quiet mode (only musixtex's own messages); other messages are diverted to a temporary file. If an error occurs at the TeX stage, processing halts immediately and the tail of the log file is sent to stderr. Version information is copied from the temporary file to the log file.

Options affect processing of all succeeding MusiXTeX files unless changed by another option. Option flags cannot be combined; e.g., use **-l -x** rather than **-lx**.

Note that four TeX engines are available via the **-l** and **-p** options:

```
etex    default
latex   -l
pdfetex -p
pdflatex -l -p
```

If the **-F** option is used, options **-l** and **-p** need to be set if the engine name does not contain "latex" and "pdf" respectively. For example, the above four engines can be replaced by:

```
-F "luatex --output-format=dvi"
-F "lualatex --output-format=dvi"
-F "luatex" -p
-F "lualatex" -p
```

SEE ALSO

autosp(1), **etex(1)**, **latex(1)**, **pdfetex(1)**, **pdflatex(1)**, **makeindex(1)**, **musixflx(1)**, **dvipdfm(1)**, **dvips(1)**, **pmxab(1)**, **pmxchords(1)**, **prepmx(1)**, **ps2pdf(1)** and **musixdoc.pdf**.

AUTHOR

This manual page was written by Bob Tennent <rdt@cs.queensu.ca>.