

NAME

musixtex – processes MusiXTeX files, using pre-processors **prepmx**, **xml2pmx**, **pmxab** and **autosp** as necessary, and then deletes intermediate and log files (unless **-i** is used)

SYNOPSIS

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

DESCRIPTION

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 **.xml** extension, the file is first preprocessed using **xml2pmx**(1) and the resulting **.pmx** 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 **.ltx** extension, the file is processed using **latex**(1) (or **pdflatex**(1)) in place of **etex**.

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

If a *jobname* argument has none of these extensions, the script will look for a file *jobname.xml* or *jobname.mtx* or *jobname.pmx* or *jobname.aspc* or *jobname.tex* or *jobname.ltx*, in that order, and process it as above.

OPTIONS

-v, -version, --version

output program name and version number, and quit

-h, -help, --help

output usage summary and quit

-l assume LaTeX source; implied if the file has **.ltx** extension

-p change the TeX processor to **pdfetex**(1) or **pdflatex**(1) (and doesn't run a dvi processor)

-c preprocess pmx file using **pmxchords**(1)

-d don't generate a **.ps** file and change the dvi processor to **dvipdfm**(1)

-D dvix use **dvix** as the dvi processor; e.g., **-D "dvipdfm -m 0.9"**. Use **-d** before **-D** to suppress **.ps** generation.

- P ps2pdf** use **ps2pdf** as the Postscript processor; e.g., `-P "ps2pdf -sPAPERSIZE=a4"`
- F fmt** use **fmt** as the TeX processor; e.g., `-F "luatex --output-format=dvi"`. Another example: it is possible to minimize TeX output by using `-F "texfot etex"`.
- m** stop processing at the pmx file
- M mtxx** use **mtxx** as the mtX preprocessor; e.g., `-M "prepmx -i"`.
- X pmxx** use **pmxx** as the pmx preprocessor; e.g., `-X "/pmxab"`,
- A aspcx** use **aspcx** as the aspc preprocessor; e.g., `-A "autosp -l"`.
- L xmlx** use **xmlx** as the xml preprocessor; e.g., `-L "/XML2PMX"`.
- t** stop processing at the tex/mid files
- s** stop processing at the dvi file
- g** stop processing at the ps file
- i** retain intermediate and log files
- l** 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)**, **xml2pmx(1)** and **musixdoc.pdf**.

AUTHOR

This manual page was written by Bob Tennent <rdt@cs.queensu.ca>. To generate PDF, use `groff -man musixtex.1 -T pdf > musixtex.1.pdf`.