

**NAME****mewa** – compiler compiler**SYNOPSIS****mewa** [OPTION]... INPUTFILE**DESCRIPTION**

**mewa** is a compiler compiler that builds a **Lua** module implementing a compiler described as a formal grammar in the file *INPUTFILE* with some **Lua** callbacks of functions implementing the type system and the code generation.

**-h, --help**

Print this usage.

**-v, --version**Print the current version of **mewa****-V, --verbose**

Verbose debug output to stderr.

**-g, --generate-compiler**Do generate a compiler as a **Lua** module described by the grammar in the input file.**-o, --output= file**Write the output (parsing tables) to *file* instead of stdout.**-b, --luabin= luapath**Specify *luapath* as path of the **Lua** interpreter in the header of generated scripts. Default is *"/usr/bin/lua"*.**-d, --dbgout= file**Write the verbose debug output (productions,states,functions,etc.) to *file* instead of stdout.**-t, --template= file**Use *file* content as template for the generated **Lua** module (option *-g/--generate-compiler*). The template contains the substitutes *%typesystem%* (name of the module implementing the type system), *%automaton%* ( Lua table with the generated automaton of the compiler), *%language%* (name of the language), *%luabin%* (path of the lua program executing the script, specified by option *-b/--luabin*) and *%cmdline%* (name of the module implementing the command-line parser).**AUTHOR**

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**REPORTING BUGS**Report bugs on <<https://github.com/patrickfrey/mewa/issues>>**COPYRIGHT**

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**SEE ALSO**

lua(1)

Full documentation and examples at: <<https://github.com/patrickfrey/mewa/blob/master/README.md>>