NAME

mcx – perform various computations on graphs and matrices

SYNOPSIS

mcx <mode> [mode-options] [mode-files]

DESCRIPTION

mcx implements a variety of computations on graphs and matrices. The first argument to **mcx** should be a *mode*, which is a string establishing the type of computation to invoke. Each mode *mode* is described in the mcx*mode* manual page. The currently available modes are **convert**, **diameter**, **clcf**, **q** and **ctty**. The **convert** mode is thus described in the **mcxconvert** manual page.

Invoking **mcx** without arguments causes it to print out a list of available modes with a short description of the type of command line expected by that mode.

Invoking **mcx** with just a mode will print out a longer listing of options available for that particular mode. Modes that are able to function normally without arguments can be invoked by adding the *--nop* argument.

Several options are shared between all **mcx** modes. Note that these options are specified after the **mode**. See **OPTIONS**.

The **--version** causes **mcx** to print out version and license information.

Issuing *mcx help mode* will cause **mcx** to look for a manual page describing *mode* and display it if found. This requires that the MANPATH environment variable contains the directory in which the MCL-edge manual pages were installed. This will usually be `PREFIX/share`, where `PREFIX` is the path with which the software was configured.

OPTIONS

These are options that pertain to all modes. They should be specified *after* the mode argument.

-h (*synopsis*)
--help (*synopsis*)
List available options.

--nop (*no-op*)
Not an option. This option has no effect then to increment the argument count. This can be useful for **mcx** modes which are able to function without any options. Such a mode typically reads from STDIN, writes to STDOUT, and uses default settings. However, simply specifying a mode without options leads **mcx** to output a list of available options for that mode. This can be prevented by using the **--nop** option.

-set (*key*=*val*)
Sets the key **key** to value **val** in the environment. Some modes allow adjustment of settings in this manner.

-progress <num> (*progress interval size*)
Defines the interval that defines the progress frequency.

--debug (*turn on debugging*)
Turn debugging on.

--version (*show version*)

Show version.

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SEE ALSO

mclfamily(7) for an overview of all the documentation and the utilities in the mcl family.