NAME

clm − perform various computations on graphs and clusterings

SYNOPSIS

clm `<mode> [mode-options] [mode-files]`

DESCRIPTION

clm implements a variety of computations on graphs and clusterings. The first argument to **clm** should be a *mode*, which is a string establishing the type of computation to invoke. Each mode *mode* is described in the clm*mode* manual page. The currently available modes are **clm dist**, **clm info**, **clm meet**, **clm mate**, **clm close**, **clm order**, **clm imac**, **clm vol**, and **clm residue**. The **dist** mode is thus described in the **clmdist** manual page.

Invoking **clm** 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 **clm** 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 **clm** modes. Note that these options are specified after the **mode**. See **OPTIONS**.

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

Issuing *clm help mode* will cause **clm** 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 **clm** 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 **clm** to output a list of available options for that mode. This can be averted by using the **--nop** option.

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

-debug <int> (*set debug level/flags*)
--debug (*turn default debugging on*)
--test (*turn default testing on*)
The first two turn on debugging, the last is for testing. The effect of these options is otherwise undocumented.

--progress (*enable progress reporting*)

This will enable some kind of progress reporting, by writing to STDERR.

AUTHOR

Stijn van Dongen.

SEE ALSO

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