

NAME

cloudlife – a cellular automaton based on Conway’s Life

SYNOPSIS

cloudlife [--display *host:display.screen*] [--foreground *color*] [--background *color*] [--window] [--root] [--window-id *number*] [--mono] [--install] [--visual *visual*] [--ncolors *integer*] [--cycle-delay *microseconds*] [--cycle-colors *integer*] [--cell-size *integer*] [--initial-density *integer*] [--max-age *integer*]

[--fps]

DESCRIPTION

The *cloudlife* program draws a cellular automaton based on Conway’s Life, except that cells have a maximum age, and only one pixel per cell is drawn every tick.

OPTIONS

cloudlife accepts the following options:

--window

Draw on a newly-created window. This is the default.

--root Draw on the root window.**--window-id** *number*

Draw on the specified window.

--mono

If on a color display, pretend we’re on a monochrome display.

--install

Install a private colormap for the window.

--visual *visual*

Specify which visual to use. Legal values are the name of a visual class, or the id number (decimal or hex) of a specific visual.

--cycle-delay *integer*

Time in microseconds to sleep between ticks. Default 25000.

--cycle-colors *integer*

How many ticks should elapse between cycling colors. 0 to disable color cycling. Default 2.

--ncolors *integer*

How many colors should be used (if possible). Default 64. The colors are chosen randomly.

--cell-size *integer*

Size of each cell, in powers of 2. Default 3 (8-pixel cells).

--initial-density *integer*

Percentage of cells that are alive at start and when the field is repopulated. Default 30.

--max-age *integer*

Maximum age for a cell. Default 64.

--fps Display the current frame rate and CPU load.**ENVIRONMENT****DISPLAY**

to get the default host and display number.

XENVIRONMENT

to get the name of a resource file that overrides the global resources stored in the RESOURCE_MANAGER property.

XSCREENSAVER_WINDOW

The window ID to use with `--root`.

SEE ALSO

X(1), **xscreensaver(1)**, **xlock(1)**

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