

NAME

dymaxionmap – An animation of Buckminster Fuller’s unwrapped icosahedral globe.

SYNOPSIS

dymaxionmap [--display *host:display.screen*] [--visual *visual*] [--window] [--root] [--window-id *number*] [--delay *number*] [--speed *ratio*] [--no-wander] [--no-roll] [--no-stars] [--no-grid] [--flat] [--satellite] [--image *file*] [--image2 *file*] [--frames *number*] [--wireframe] [--fps]

DESCRIPTION

Buckminster Fuller’s map of the Earth projected onto the surface of an unfolded icosahedron. It depicts the Earth’s continents as one island, or nearly contiguous land masses.

This screen saver animates the progression of the dusk terminator across the flattened globe. It includes both satellite and flat-colored map imagery, and can load and convert other Equirectangular-projected maps.

OPTIONS

--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.

--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.

--delay *number*

Per-frame delay, in microseconds. Default: 20000 (0.02 seconds).

--speed *ratio*

Speed of the animation. 0.5 means half as fast, 2 means twice as fast.

--wander | **--no-wander**

Whether the object should wander around the screen. Default yes.

--roll | **--no-roll**

Whether the object should roll randomly. Default yes.

--stars | **--no-stars**

Whether to display a star field. Default yes.

--grid | **--no-grid**

Whether to overlay a latitude/longitude grid over the map. Default yes.

--flat Display a flat-colored map of the Earth. This is the default.

--satellite

Display a day-time satellite map of the Earth.

--image *file*

An image to use for the day-time map.

--image2 *file*

An image to use for the night-time map. The two images can be the same: the night-time one will be darkened.

--frames *number*

The number of frames in the day/night animation. Default 720. Larger numbers are smoother, but use more memory. The day/night animation happens if *image2* is set, or if *frames* is greater than 1.

--wireframe | --no-wireframe

Render in wireframe instead of solid.

--fps | --no-fps

Whether to show a frames-per-second display at the bottom of the screen.

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) glplanet(6)

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The original Dymaxion Map image is copyright © 1982 by The Buckminster Fuller Institute. (This program does not use their imagery, only similar trigonometry.)

The Dymaxion Map was covered by now-expired US Patent 2,393,676 (Richard Buckminster Fuller, 1946).

AUTHOR

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