NAME

realxfishdb, fish_props – Display a fishtank on the root window of an X11 server.

SYNOPSIS

realxfishdb [**–fnn**] [**–bn**] [**–rn.n**] [**–in.n**] [**–d**] [**–s**]

fish_props

DESCRIPTION

realxfishdb displays a fishtank on the root window complete with swimming fish and bubbles, all in living color. This demo runs on Open Windows X11/NeWS servers v2 and newer. Currently only 8 bit color is supported. The **fish_props** program allows the user to preset various options for **realxfishdb.**

OPTIONS

–fnn The number of fish. The default is 2. This option is ignored if you have used the fish properties sheet and a ~/.fishrc file can be found.

–bn The number of bubbles. The suggested number is 0 since they take a significant amount of CPU power. The default is 0.

–rn.n Fractions of a second between refresh updates. On an SS1 with about 8 fish and no hardware multibuffering support, setting this to 0.3 leaves you enough CPU power to continue to edit or read mail. Default is 1.0 (which corresponds to 100 on the property sheet). This option is ignored if you have used the fish properties sheet and a ~/.fishrc file can be found.

–in.n Maximum fish increment. For those who like smoothly moving fish, set this value to a low value such as 0.2. The default is 1.0 (which corresponds to 100 on the property sheet). This option is ignored if you have used the fish properties sheet and a ~/.fishrc file can be found.

–d Use the X11 Multibuffering Extension in OWv3 and newer Open Windows servers. This is not recommended unless you have hardware support for multi-buffering since it further drains memory and CPU power. The default is off. This option is ignored if you have used the fish properties sheet and a ~/.fishrc file can be found.

–s Secure mode. The default is off. This mode covers all windows on the screen and runs in a secure mode. Windows can't even be popped up to stop the program in this mode.

fish_props is a fish properties sheet which allows the user to select the fish used in the program, the display mode, the refresh rate, and the maximum fish increment. After making selections press the apply button to save selections in the ~/.fishrc file. **realxfishdb** attempts to read this file when it starts.

ENVIRONMENT

There are image files in the $OPENWINHOME/share/images/fish directory which are required to run **realxfishdb.**

FISHHOME Indicates an alternate path for **fish_props** and **realxfishdb** to search for the fish files otherwise if they can't be found in the $OPENWINHOME directory the final path attempted is the ./fish directory relative to where the executable lives.

FILES

$HOME/.fishrc Contains the options set by running **fish_props. realxfishdb** attempts to read this file upon startup.

$OPENWINHOME/share/images/fish/*.im8
Image files necessary to run **fish_props** and **realxfishdb.**

NOTES

Be patient when starting this program, it processes a lot of pixels before starting up. Also, it runs on the root window so don't be alarmed when windows temporarily disappear.

If you would like your very own copy you will need the **fish_props** and **realxfishdb** executables and all the files from the ./fish subdirectory.

This is an adaptation of an existing X11 application called xaqua of unknown origin.

BUGS

Both **fish_props** and **realxfishdb** dump core if the ./fish directory does not contain the required image files.