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# MouseTrap

MouseTrap records mouse movements and writes them to binary data files. It runs on 64 bit versions of Linux, MacOS, Windows and other systems supported by Python.

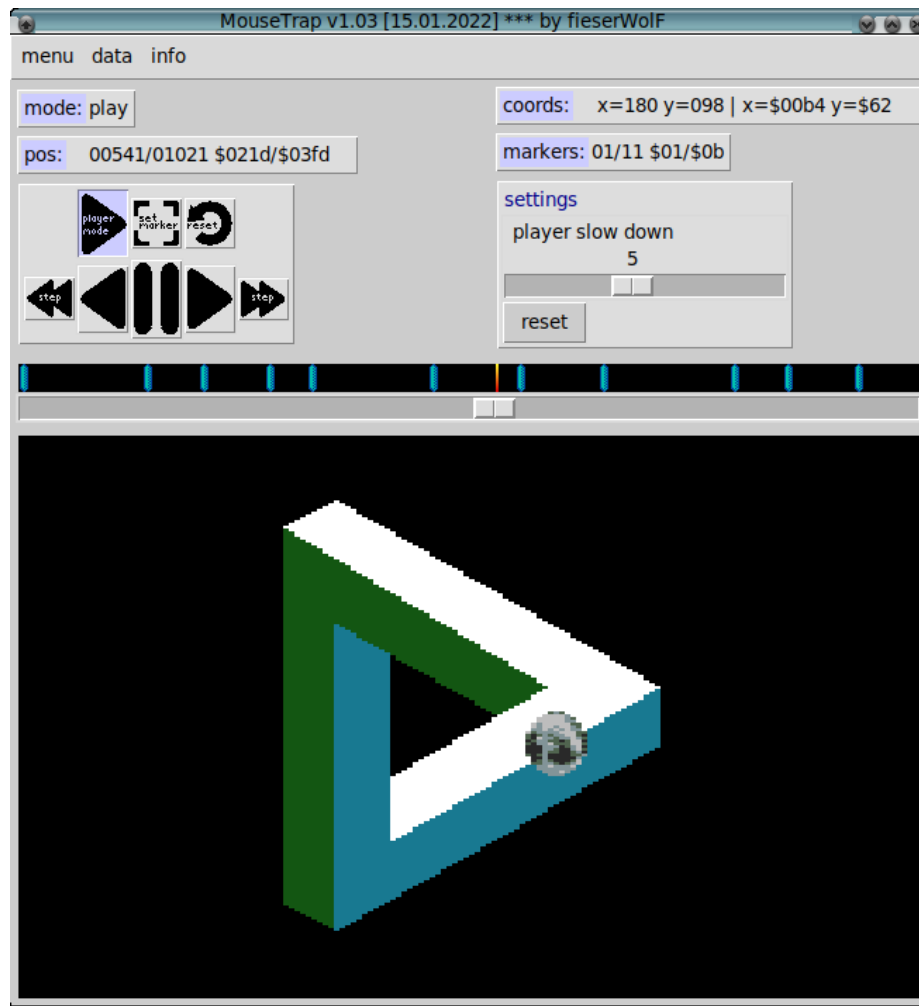


Figure 1: screenshot

## Why MouseTrap?

reason	description
open source	easy to modify and to improve, any useful contribution is highly welcome
portable	available on Linux, MacOS, Windows and any other system supported by Python3
easy to use	simple GUI provided

## Usage

MouseTrap v1.03 [17.01.2022] \*\*\* by fieserWoLF

```
usage: mousetrap.py [-h] [-i IMAGE_FILE] [-p POINTER_FILE] [-g GHOST_FILE] [-xl POSX_LO_FILE]
                  [-mh MARKER_HI_FILE]
```

This records mouse movements and writes them to binary data files. Press F1 for help in the

optional arguments:

```
-h, --help            show this help message and exit
-i IMAGE_FILE, --image_file IMAGE_FILE
                        image file (320x200 pixel)
-p POINTER_FILE, --pointer_file POINTER_FILE
                        optional pointer image file (44x46 pixel): it follows the mousepoint
-g GHOST_FILE, --ghost_file GHOST_FILE
                        optional ghost pointer image file (44x46 pixel): it follows the reco
-xl POSX_LO_FILE, --posx_lo_file POSX_LO_FILE
                        posx low file (default="posx_lo.bin")
-xh POSX_HI_FILE, --posx_hi_file POSX_HI_FILE
                        posx high file (default="posx_hi.bin")
-y POSY_FILE, --posy_file POSY_FILE
                        posy file (default="posy.bin")
-m1 MARKER_LO_FILE, --marker_lo_file MARKER_LO_FILE
                        marker file (default="marker_lo.bin")
-mh MARKER_HI_FILE, --marker_hi_file MARKER_HI_FILE
                        marker file (default="marker_hi.bin")
```

Example: ./mousetrap.py -i image.png -p ball.png -g ghost.png -xl posx-low.bin -xh posx-high

## Author

- fieserWoLF/Abyss-Connection - *code* - <https://github.com/fieserWoLF> <https://csdb.dk/scener/?id=3623>

## Getting Started

Clone the git-repository to your computer:

```
git clone https://github.com/fieserWolf/mousetrap.git
```

Start the python script:

```
python3 mousetrap.py -i image.png -p ball.png -g ghost.png -xl posx-low.bin -xh posx-high.b
```

Or: Start the sample bash file:

```
./go.sh
```

### Prerequisites

At least this is needed to run the script directly:

- python 3
- python tkinter module
- python “The Python Imaging Library” (PIL)

Normally, you would use pip like this:

```
pip3 install tk pillow
```

On my Debian GNU/Linux machine I use apt-get to install everything needed:

```
apt-get update
```

```
apt-get install python3 python3-tk python3-pil python3-pil.imagetk
```

# Changelog

## Future plans

- improve GUI features

Any help and support in any form is highly appreciated.

If you have a feature request, a bug report or if you want to offer help, please, contact me:

<http://csdb.dk/scener/?id=3623> or [wolf@abyss-connection.de](mailto:wolf@abyss-connection.de)

## Changes in 1.03

- initial public release

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```
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