Image masks

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Image masking

Tool to generate object masks in the image.

Found MiVOS → https://github.com/hkchengrex/MiVOS

Setup

```
git clone https://github.com/hkchengrex/MiVOS.git
cd MiVOS

# Install dependencies
conda create -n mivos python=3.7
conda activate mivos
pip install numpy Cython
pip install PyQt5 davisinteractive progressbar2 opencv-python-headless networkx gitpython gdown
conda install pytorch==1.7.1 torchvision==0.8.2 torchaudio==0.7.2 -c pytorch
pip install matplotlib

# Run
python download_model.py
python interactive_gui.py --images <path to a folder of images>
```

> 💡 If here is conflict between `PyQt5` and `opencv-python`. Use `opencv-python-headless` instead.

```
pip uninstall opencv-python
pip install opencv-python-headless
```

Also do this if you have `export QT_QPA_PLATFORM=offscreen` in `zshrc` or `bashrc` . :

```
export QT_QPA_PLATFORM=xcb
```
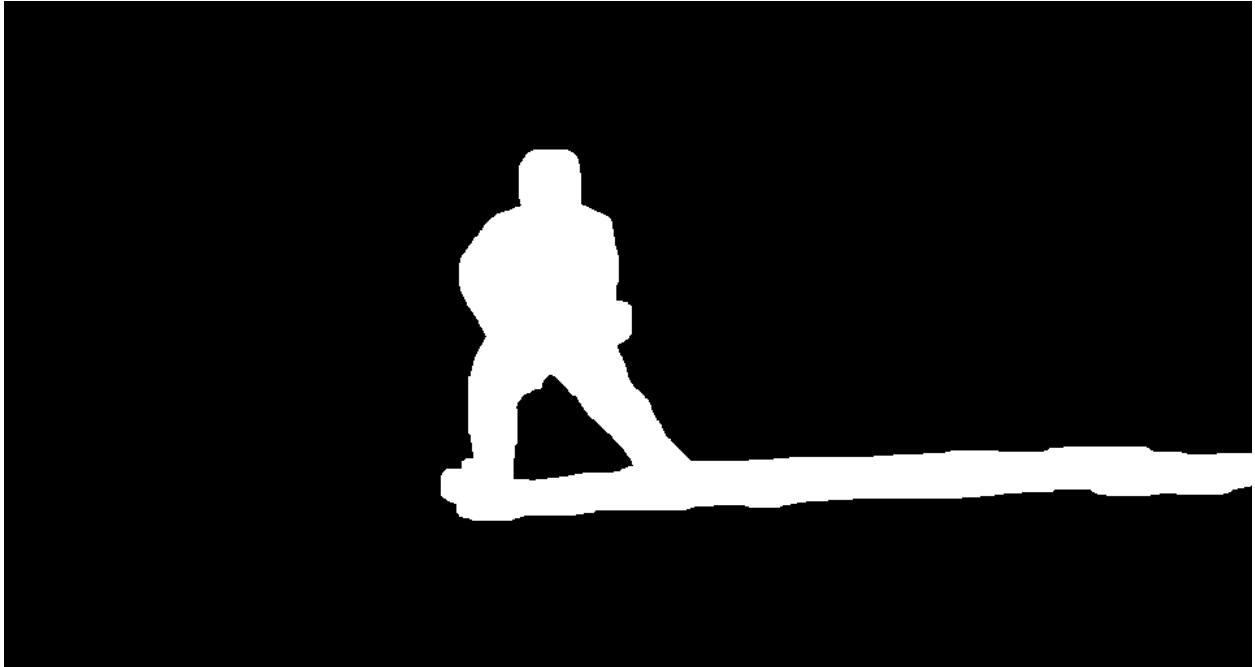
Run

```
python interactive_gui.py --images <path to a folder of images>
python interactive_gui.py --video <path to video>
```

If you have less `GPU` memory, you might have to use server. You can do that easily with `RDP` .

Sample

Imagemagick

Also found a tool `imagemagick` to combine images in Linux.

```
convert img1.png img2.png +append joined_horizontal.png
convert img1.png img2.png -append joined_vertical.png
```