

SwirlsPy – Startup Tutorial

Environment setup - Virtual box

- Install Virtual box to your machine
- Double click on SwirlsPy image (SwirlsPy.ova)
- Make sure checkbox of DVD, USB Controller, Sound Card and Network Adapter is **UNCHECK**
- Click “*Import*”
- When import process is finished, a new VM will be setup.
- Select created VM and open “*Setting*”
- Navigate to “*Network*” tab
- Make sure at least one adapter (*NAT*) is enabled

QPE & QPF

- Open a terminal window
- Activate conda environment
 - `conda activate swirlspy`
- Navigate to sample code directory
 - `cd ~/tutorials/sample_src`
- Execute QPE and QPF script
 - `python qpe_hk.py`
 - `python qpf_hk.py`
- Result can be found in `~/tutorials/tests/outputs/`

Uninstall SwirlsPy

- Open a terminal window
- Deactivate current environment (SwirlsPy)
 - `conda deactivate`
- Remove SwirlsPy environment
 - `conda remove --name swirlspy --all`
 - Proceed ([y]/n)? y
- Check if there is still swirlspy
 - `conda list | grep swirlspy`
 - [return nothing]

SwirlsPy installation

- Open a terminal window
- If not already installed, install Anaconda / Miniconda (Anaconda will be used for this tutorial)
 - `wget https://repo.anaconda.com/archive/Anaconda3-2019.10-Linux-x86_64.sh`
 - `bash Anaconda3-2019.10-Linux-x86_64.sh`
- Download SwirlsPy
 - `conda create -n swirlspy -c https://2018:314159@conda.com-swirls.org -c defaults -c conda-forge swirlspy`
 - Proceed ([y]/n)? y
- Activate conda environment
 - `conda activate swirlspy`