

Point lock setup notes

Monday, January 30, 2023

2:46 PM

Setting up a brand new Windows 10 Pro computer. Steps taken:

Software Downloaded:

1. Anaconda
2. Pycharm
3. Github
4. Clone my git repo aglinn/LaserPointLock
5. Spinnaker SDK 3.0.0.118 x64
6. spinnaker_python-3.0.0.118-cp38-cp38-win_AMD64
 - a. MUST RESTART COMPUTER
 - b. MUST IMPORT NUMPY BEFORE IMPORTING PYSPIN
 - c. The above then allows you to run an example like acquisition to confirm the installation
7. Install MDT693B software from [thorlabs website](#) version installed today: 2.4.1
8. Install Mightex camera software for SCE-B013 group. Just download the folder and unzip it (Folder name is Mightex_SCX_CDROM_20190104)
 - a. Also for now have to manually change the path to the .dll file to reflect the path where this is installed on your computer.
9. Copy working environment from old computer following steps here: <https://conda.io/projects/conda/en/latest/user-guide/tasks/manage-environments.html#building-identical-conda-environments>
 - a. Specifically using this command: `condalist--explicit>spec-file.txt`
 - b. Apparently some packages were not included in the above process? Not sure how that is possible? IDK Anyway
 - i. OpenCV: Conda install -c conda-forge OpenCV
 - ii. EasyPySpin: pip install EasyPySpin
 - iii. Flirpy. I cloned the git repo aglinn/flirpy, because I made a couple of changes to flirpy. I think it might be better to install the flirpy package from the creator, but to be safe, I cloned my repo.
 - 1) Then do the python setup.py install process
 - iv. Nfft: pip install nfft
 - v. Visa binary something: pip install pyvisa-py