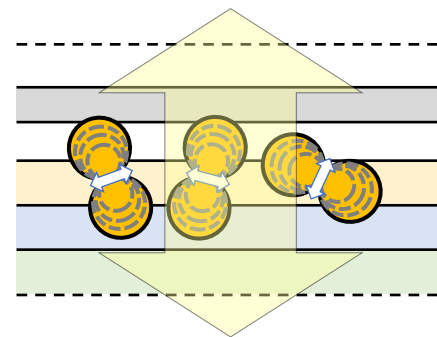
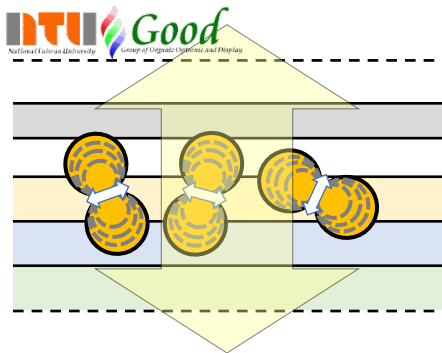


How to use the Goodlab simulator

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Local Terminal



The anisotropic simulator is developed by python3. Please install Python3 first and the Python version should be later than Python 3.6.

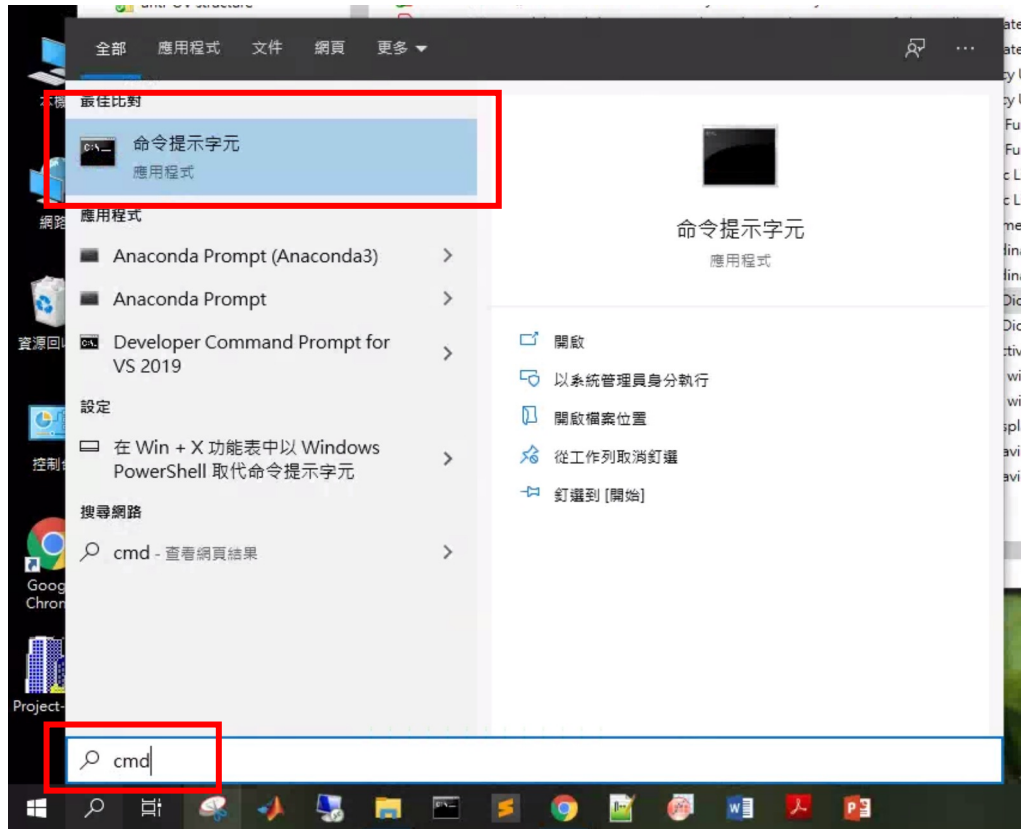
Install Third Party Module

Before you start the simulator, please install the third party module first.

In the following section, we will teach you how to install the third-party module by the terminal so if you use the other environment like anaconda, visual studio, please check whether the following module have been installed in the environment you are going to use.

Install Third Party Module

Open the terminal (windows)



Install Third Party Module

Open the terminal (mac)



Install Third Party Module

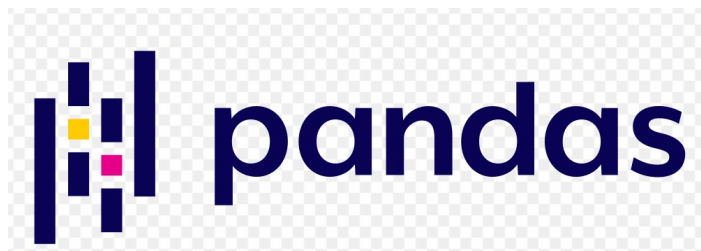
NumPy

```
(base) weikai@MacBook-Pro ~ % pip install numpy
```



```
(base) weikai@MacBook-Pro ~ % pip install scipy
```

Install Third Party Module



```
(base) weikai@MacBook-Pro ~ % pip install pandas
```



```
(base) weikai@MacBook-Pro ~ % pip install matplotlib
```

Install Third Party Module

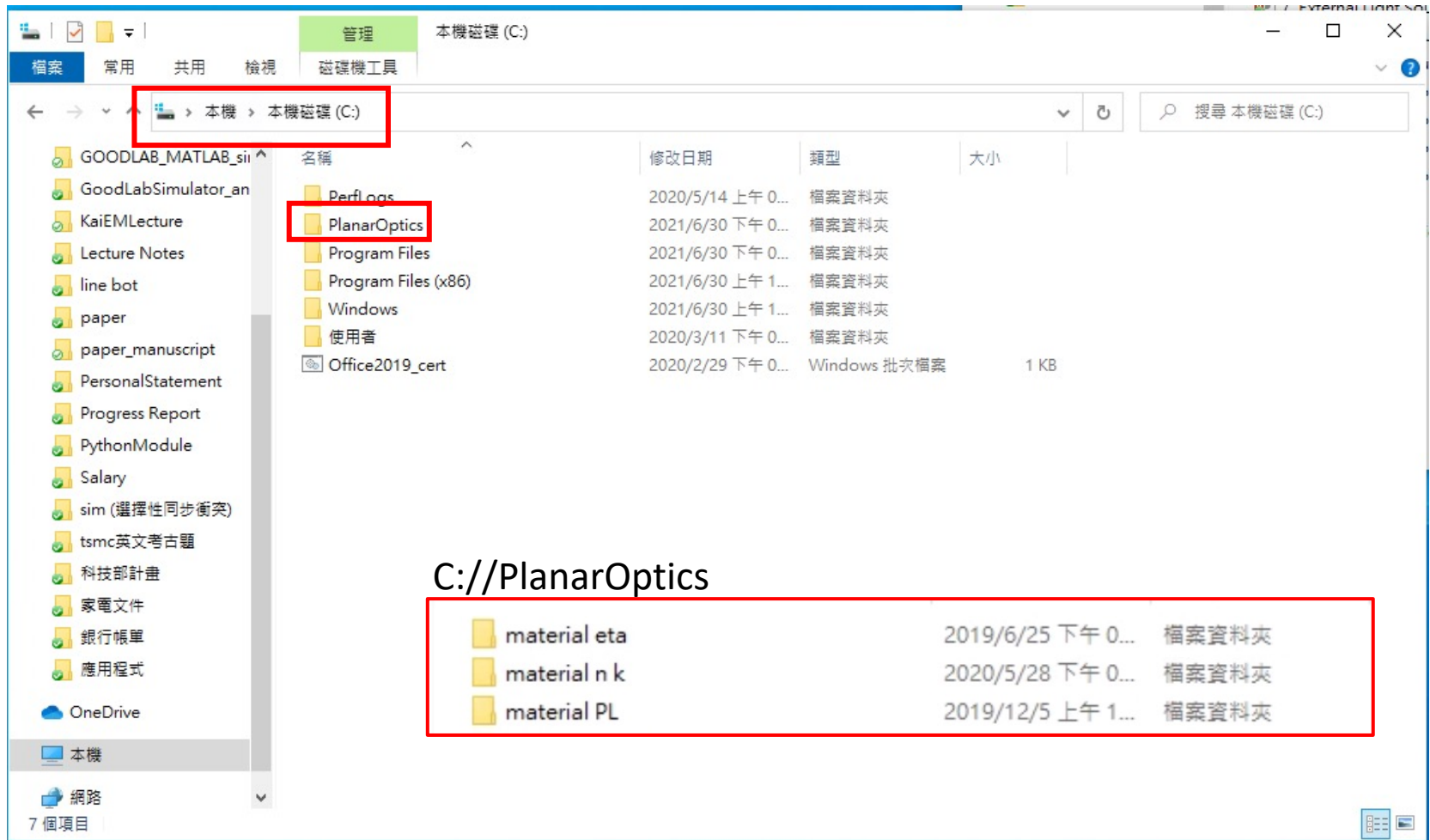
Or you can install all module in the same time.

```
(base) weikai@MacBook-Pro ~ % pip install numpy scipy pandas matplotlib
```



Add Material Directory - Windows

Please add material properties into C://



Add Material Directory - Mac

Please add material properties into Users/[username]/Documents

