CMB Physics Tutorial Instructions

You can deactivate Conda using: conda deactivate

1.Installing Healpy:

You would require Linux/Mac OS X platforms. Windows users can install WSL.

Without Conda: pip install healpy

With Conda: conda config --add channels conda-forge conda install healpy

2.Installing CAMB:

First install gfortran using: sudo apt-get install gfortran

Without Conda: pip install camb

With Conda: conda create -n camb -c conda-forge python=3.11 camb activate camb

3.Installing Hyrec:

git clone https://github.com/nanoomlee/HYREC-2.git

cd Hyrec

mkdir build

cd build

cmake ..

Go back to the HYREC-2 folder

make

To run hyrec, use: ./hyrec

This will create an output file named output_xe.dat