

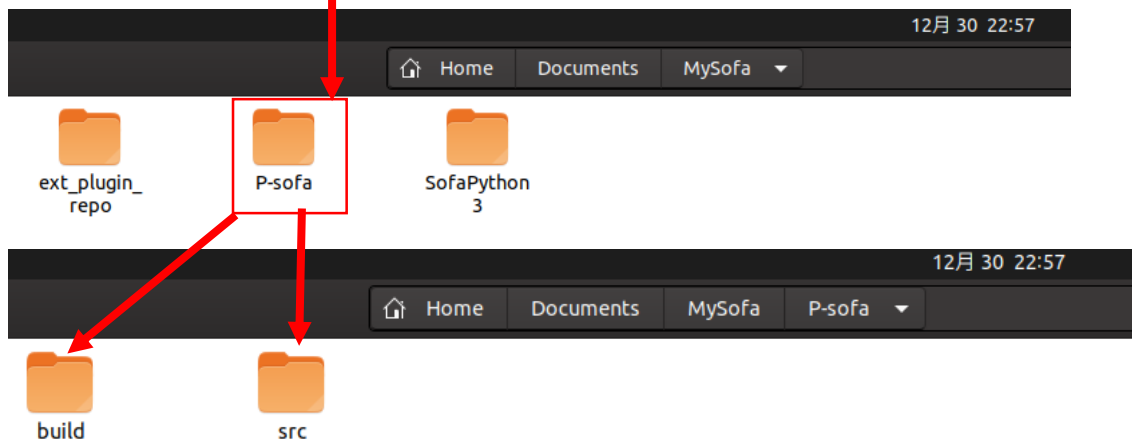
First, I install sofa for Ubuntu 19.10 by following this link:

<https://www.sofa-framework.org/community/doc/getting-started/build/linux/>

and your video suggestion on youtube:

https://www.youtube.com/watch?v=5pbT49t9M_k&t=4s

The installed sofa is in this folder include 2 small folders: build and src



Then, I applied out of tree build by following this link:

<https://github.com/SofaDefrost/plugin.SofaPython3/blob/master/README.md>

Out-of-tree build

This plugin should compile with out-of-tree builds. You might need to add the Sofa's installation path to the CMake prefix path. If you compiled Sofa in directory `$SOFA_ROOT/build`, consider doing an install step (make install, ninja install, etc.) and adding this installation path (example `cmake -DCMAKE_PREFIX_PATH=$SOFA_ROOT/build/install ..`).

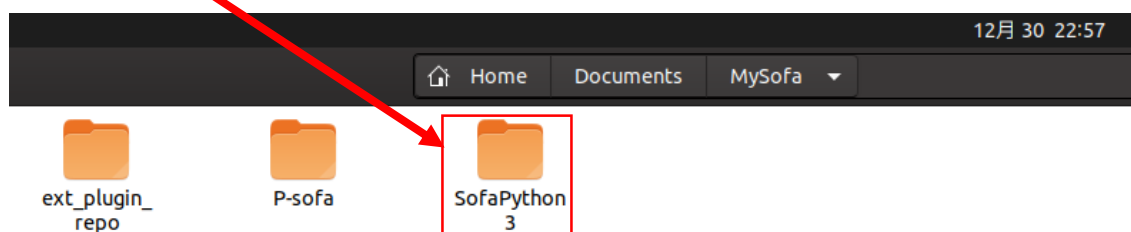
Changing the python path

The compilation of SofaPython3 plugin and bindings are tied to the python core library found during the CMake stage. To change the python version used for the compilation, you can either:

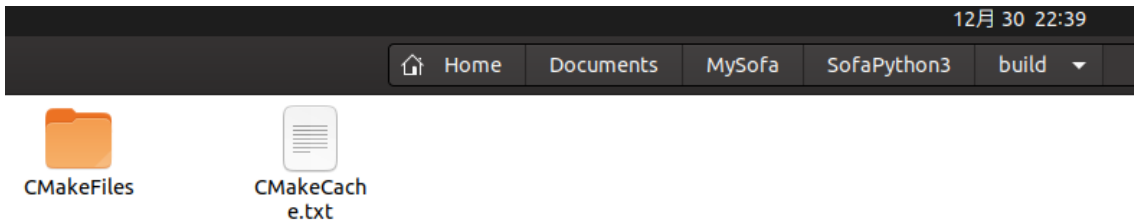
1. Provide the python executable path with `Python_EXECUTABLE cmake -DPython_EXECUTABLE=/usr/local/bin/python3 ..`
2. Provide the python root path with `Python_ROOT_DIR cmake -DPython_ROOT_DIR=/usr/local ..`

To see all the hints that can be provided to CMake, see the official CMake documentation on Python : <https://cmake.org/cmake/help/latest/module/FindPython.html>

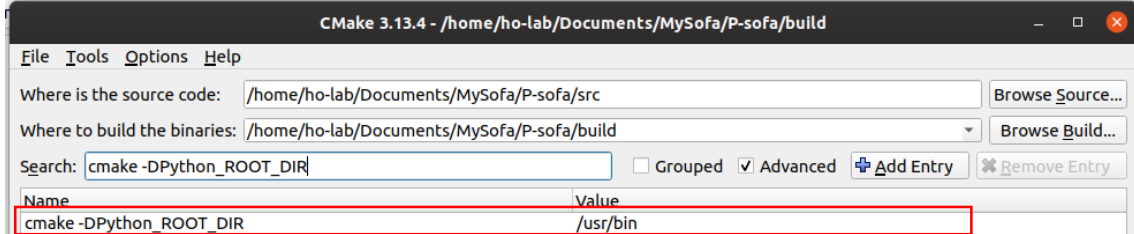
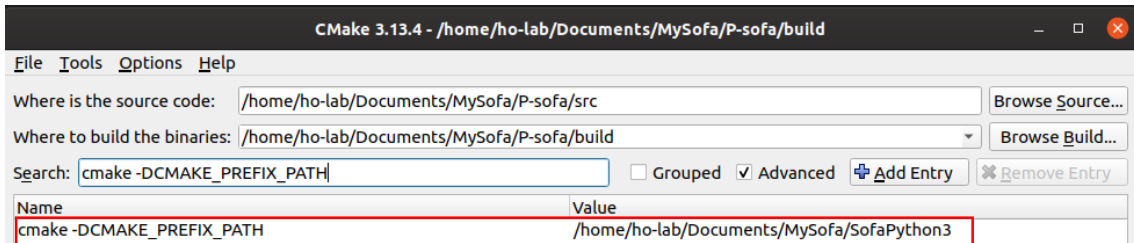
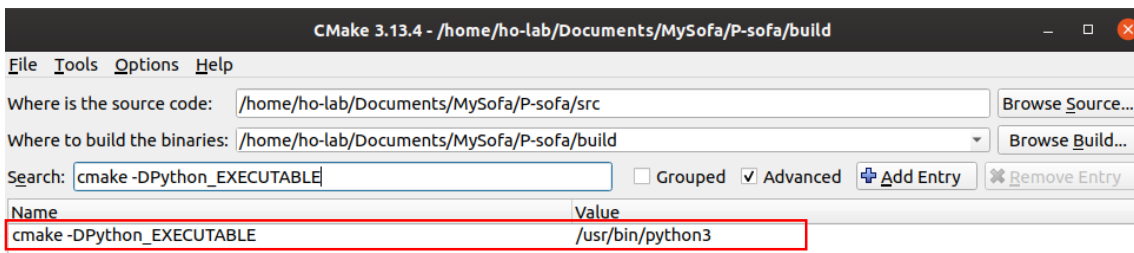
The plugin.SofaPython3 is put in this folder (next to the Sofa folder:P-sofa)



However, when open the SofaPython3 folder, there are only smaller folders: Cmakefiles and cmakeCache.txt



Then, by following the instruction in out of tree build for installing plugin.SofaPython3, I change the path in Cmake, there is no error when I clicked configure and generate.



Finally, I ran the sofa in the folder P-sofa/./bin/runSofa which initially installed sofa, and load my calculation. The error appeared as follows:

