Install ALPS and run QMC on Mac system

1. Download the binary package from:
http://alps.comp-phys.org/mediawiki/index.php/Download_and_install_ALPS_2

and install it with the package installer.
!!! Important: Please use the version ALPS 2.2.0b4 !!!

Note: We suggest to install ALPS with the binary packages available online. Here, we give the detailed procedures of that. However, one can also try to install with Macports or build from source packages if he/she prefers.

2. Check whether the installation is successful or not. If so, you should find the path "`/opt/alps`" with various folders inside, such as bin, lib, include and etc.

3. Open a terminal and reach the folder "test-BH". Run the following command:
export PATH=$PATH:/opt/alps/bin
And then, run
alpspython sim.py

Note:
1. In some cases, one may also need to export the following paths:
export LD_LIBRARY_PATH=$LD_LIBRARY_PATH:/opt/alps/lib
export PYTHONPATH=$PYTHONPATH:/opt/alps/lib
2. If you see an error saying that a package named A is missing, you may simply run

pip install A

4. If the code “sim.py” run successfully, you should see a number of files named “parm5a.xxx” in the folder “test-BH”. Also, you should see the following plot: