# Online pRCBHT Documentation

1) Please remember that the pRCBHT code is trying to analyze in real-time the Torques-x2y2z.dat file that the simulation/real robot will produce when running the experiment.

2) Currently, the main.c file needs to be modified to check for the existence of the Torques file. Once it exists it should call the pRCBHT() function. I had written this code in C++ but when I had trouble linking the library, I commented out this code and changed the file to .c for testing. Akira could help us return this functionality to the code.

3a) After the .c file is changed, run the matlabSrc\_a executable.

3b) Then start running the simulation/robot.

4) Look to see if the the 3x6 files are being written to:

/home/grxuser/src/OpenHRP3.0-

HRP2STEP1/Controller/IOserver/robot/HRP2STEP1/bin/pRCBHT

5) At the end of the simulation these files could be tested with the regular matlab code. I am attaching it here.

The testing simple consists in plotting the results contained by these files.

We would call 4 printing functions:

- /SideApproach/Composition/plotMotionCompositions.m

- /SideApproach/Behaviors/plotLowLevelBehCompositions.m