Exercise 5 Solution

Qiao Qiao

Robotics, Cognition, Intelligence - Technische Universität München

1 Exercise 3: Optimization

What is the difference between the optimize function in src/odometry.cpp and src/sfm.cpp?

In src/odometry.cpp, it uses multithreading but src/sfm.cpp not.

What is the functionality of the variables opt finished and opt running?

Because we are using multithreading, we need flags to tell other functions if the optimizing is running or if the optimizing is finished.

What will happen if we remove them?

Since using multithreading, if other functions don't know if optimizing is running or finished, other functions may take the not yet optimized parameters and lead to some errors.
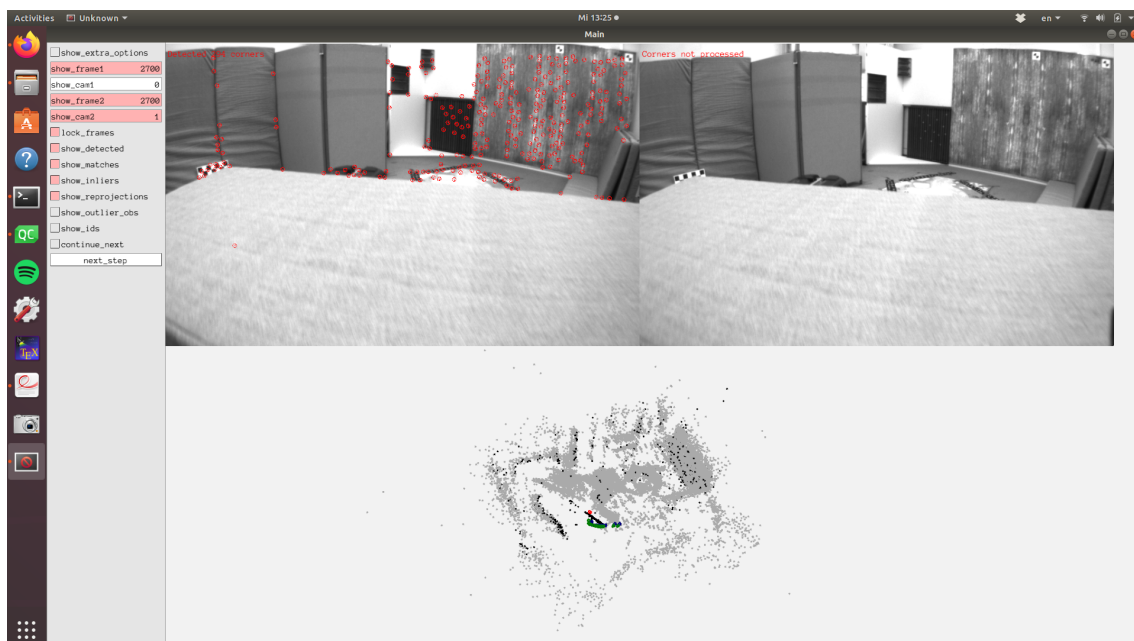

Figure 1: result