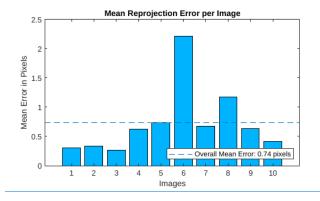
Practicum: 4 Husky: Multi camera calibration:

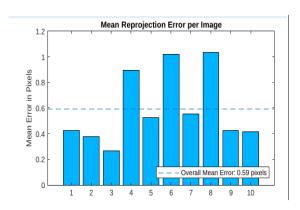
output: checker board positions with respect to camera co-ordinate origin

1. Intrinsic parameters for camera 1:

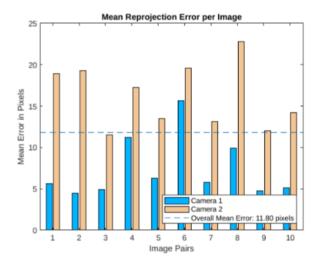
2. Intrinsic parameters for camera 2:

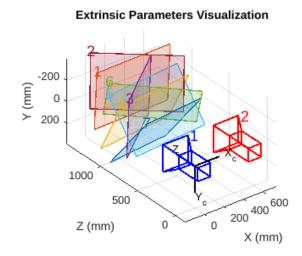






- Mean re-projection error per camera for stereo-camera pair:





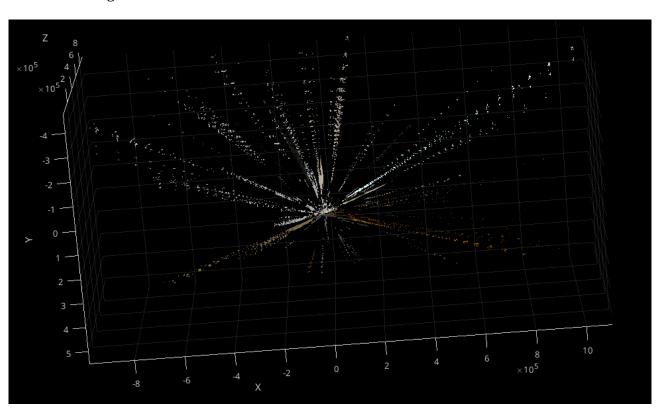
- Rectification of stereo images
- 1. Before Rectification



- Disparity map



- Reconstructing the 3-d scene



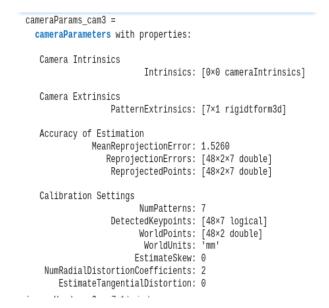
2. After Rectification

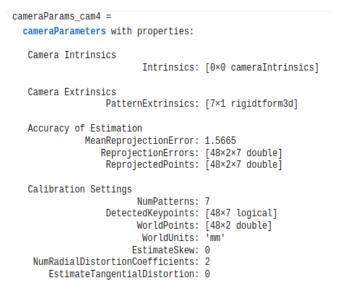


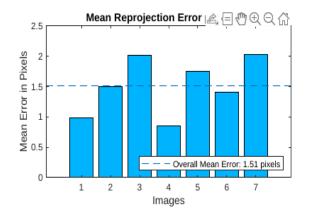
output: checker board positions with respect to camera co-ordinate origin

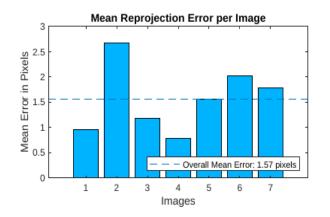
1. Intrinsic parameters for camera 3:

2. Intrinsic parameters for camera 4:

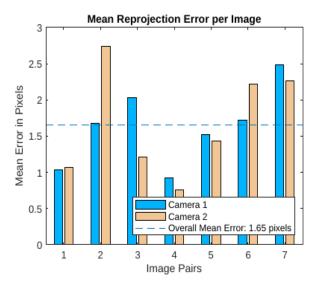


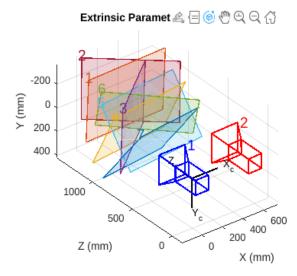






- Mean re-projection error per camera for stereo-camera pair:





- Rectification of stereo images

1. Before Rectification



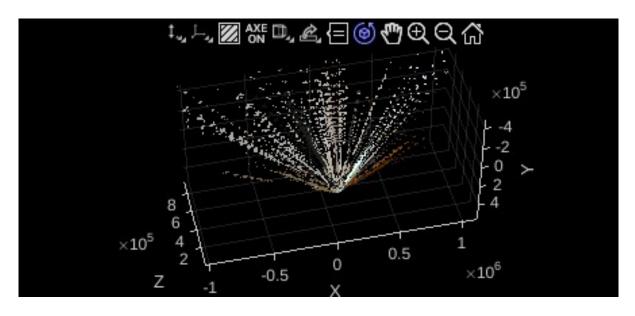
2. After Rectification



- Disparity map



- Reconstructing the 3-d scene



Extrinsic parameter visualization for all four cameras together:

