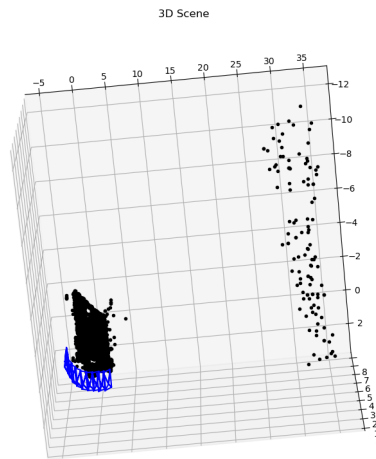


Entiol Liko: Lab 6

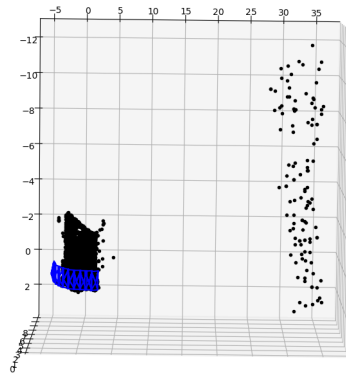
enliko@student.ethz.ch

1 Structure from Motion

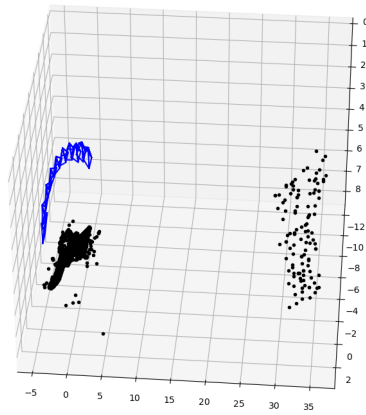
The implementation of the algorithms was done following closely the specifications done in the lectures and on the lecture notes. The following are the results of the implementation. I have to note that when we use the images 8 and 9 we have a set of points in the distance because in these images we have detected some features on the wall in the background. These are the results.



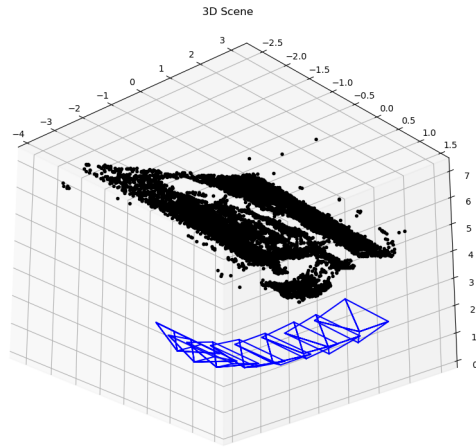
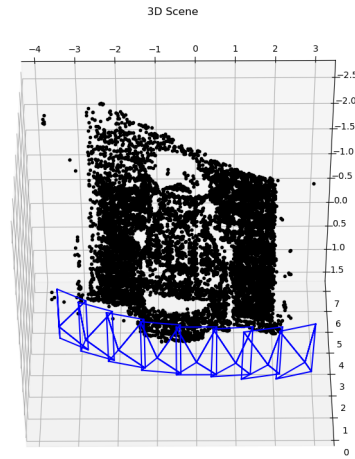
3D Scene



3D Scene



Using only the first 8 images:



2 RANSAC

The implementation of the algorithm was easy to do since all we needed was a way to calculate the distance of a point from a line, which can be calculated easily. The algorithm gives great results, as can be seen in this image:

