

Contents

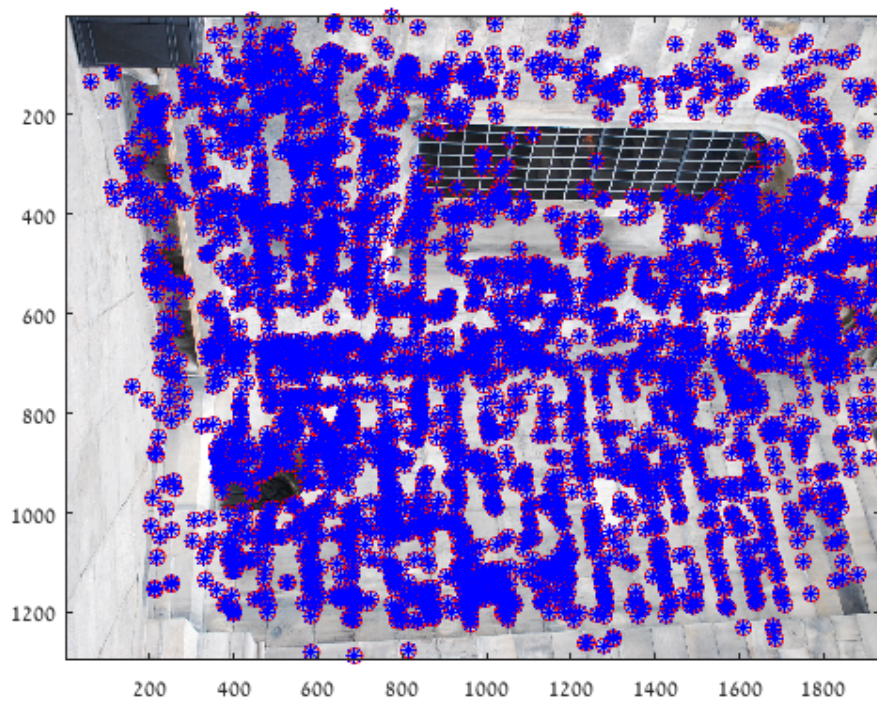
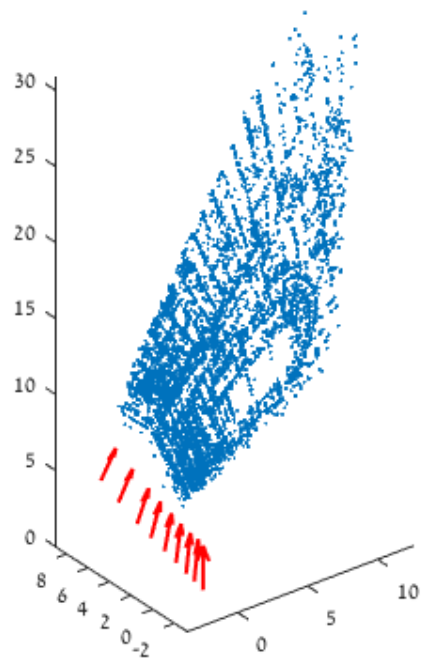
- [question 1](#)
- [question 2](#)
- [question 3](#)
- [question 4](#)

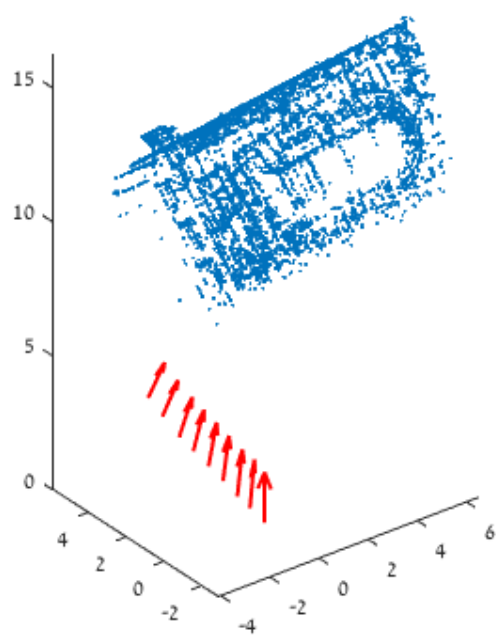
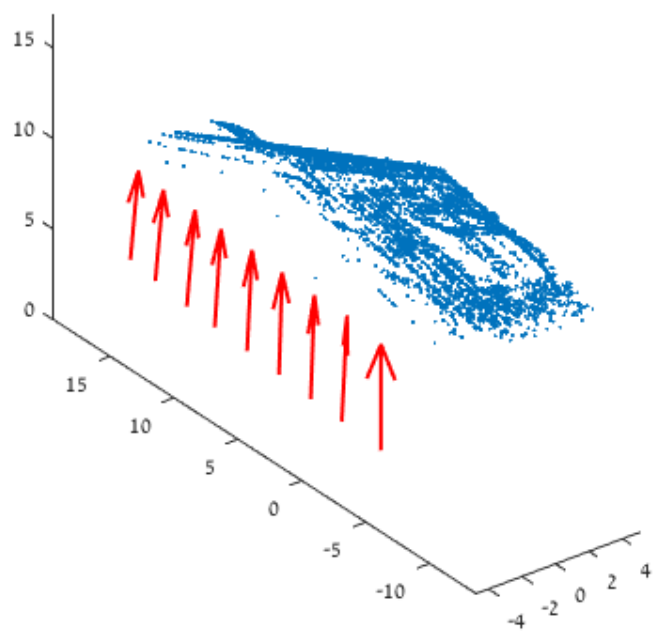
```
% Multiple View Geometry 2021 semester B
%
% Student: Itai Antebi, 204817498
```

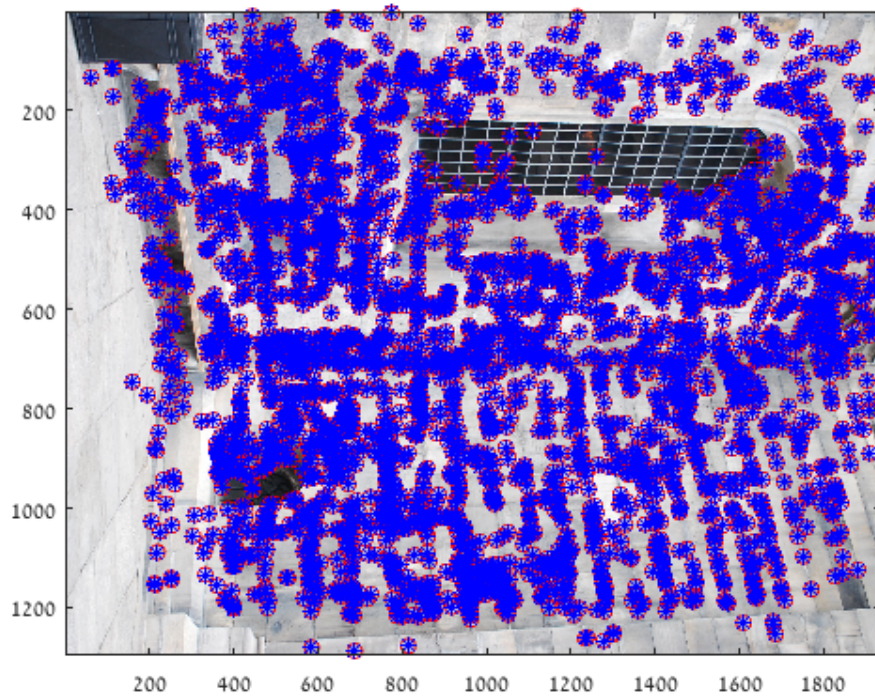
```
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
% Solution for exercise #2
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
clear;
clc;
```

question 1

```
ex01;
```







question 2

```
ex02;
```

Are K_1 of the first camera and K_1 of the camera with the projective transformation T_1 the same?

false

Are K_1 of the first camera and K_1 of the camera with the projective transformation T_2 the same?

true

question 3

```
ex03;
```

The smallest singular value of M_1 is: 0.015065

The smallest singular value of M_2 is: 0.012149

Norm of $M_1 \cdot v_1$ is: 0.015065

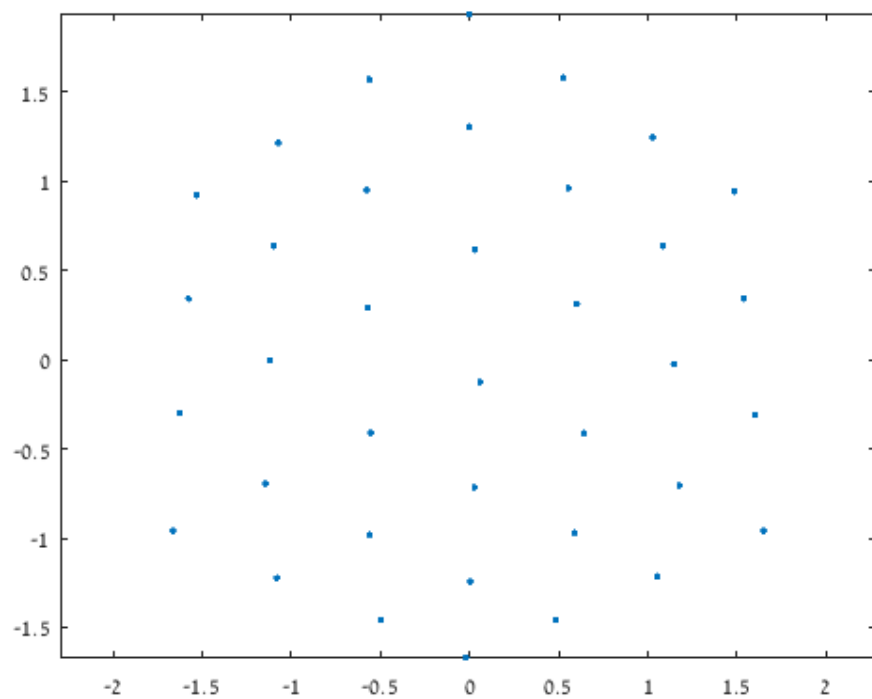
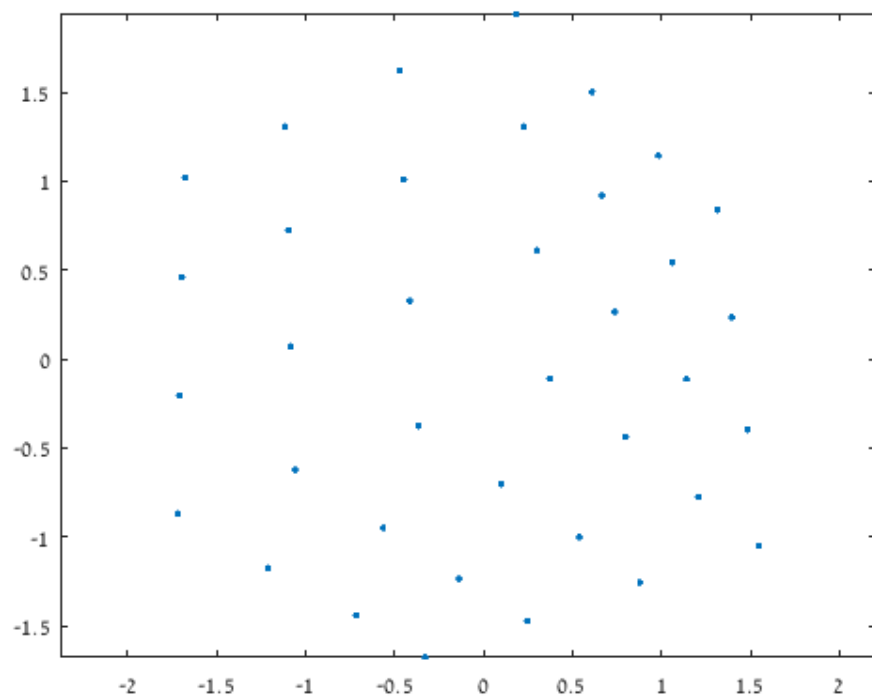
Norm of $M_2 \cdot v_2$ is: 0.012149

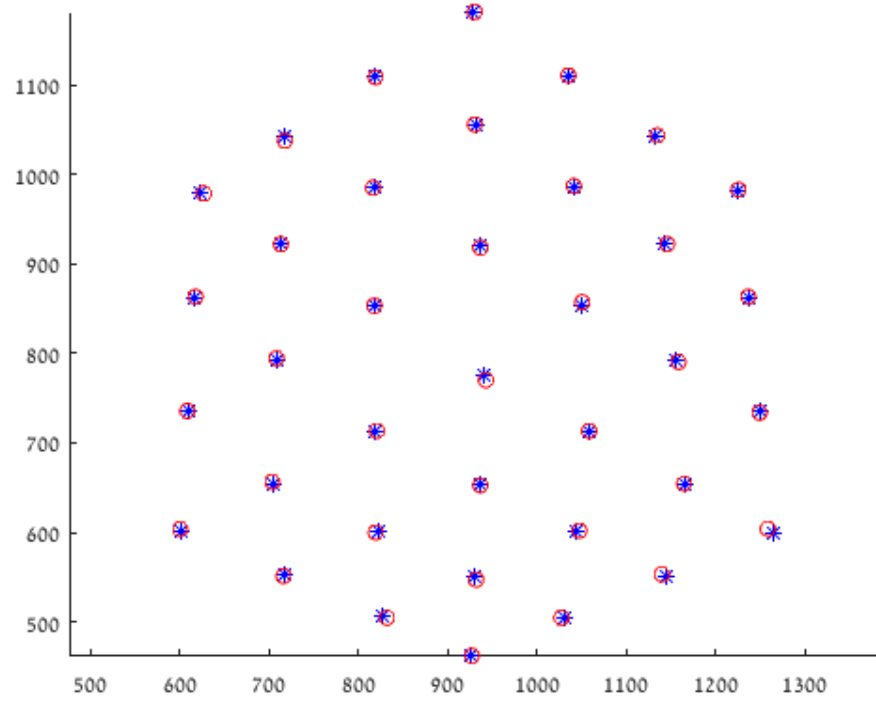
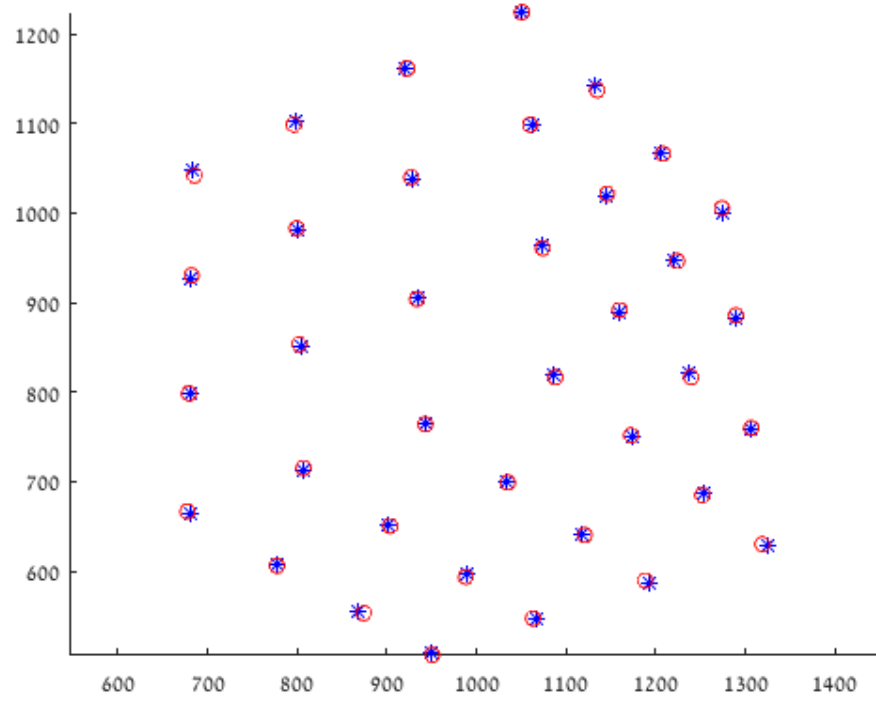
The RMSE for camera 1 WITH normalization is: 3.6176

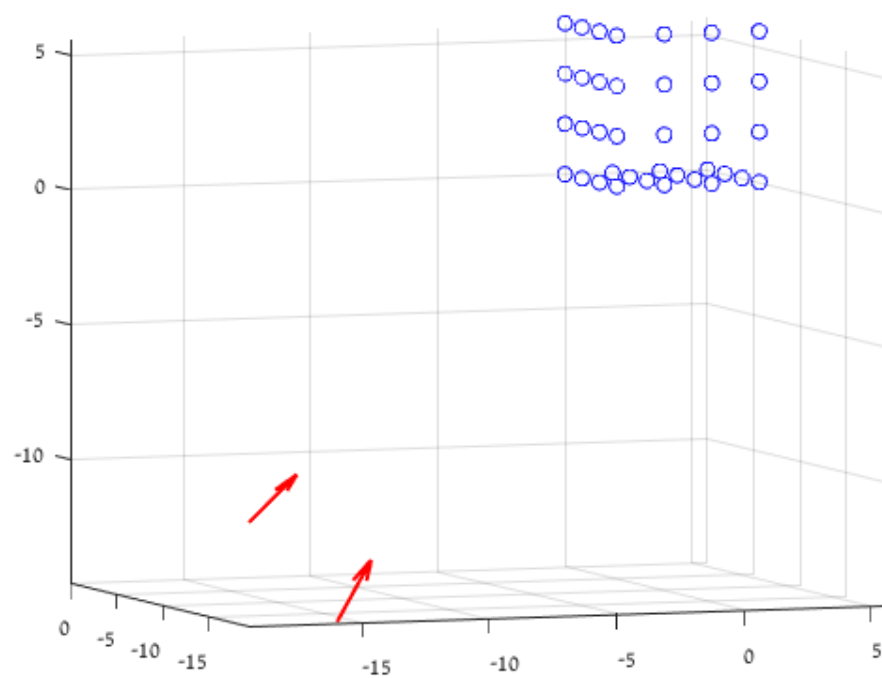
The RMSE for camera 1 WITHOUT normalization is: 4.9026

The RMSE for camera 2 WITH normalization is: 3.2872

The RMSE for camera 2 WITHOUT normalization is: 3.8968







question 4

ex04;

