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% Multiple View Geometry 2021 semester B

%

% Student: Itai Antebi, 204817498

%%
%%%%%%%%

% Solution for exercise #3

%%
%%%%%%%%

clear;

clc;

question 1

ex01;

The smallest singular value of M is: 0.049642

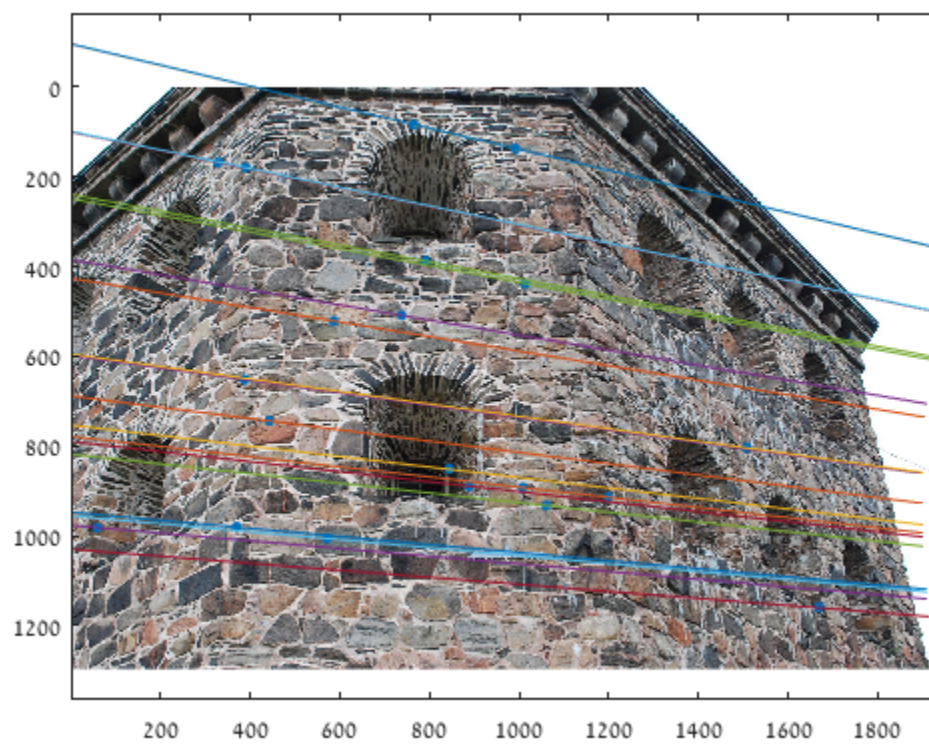
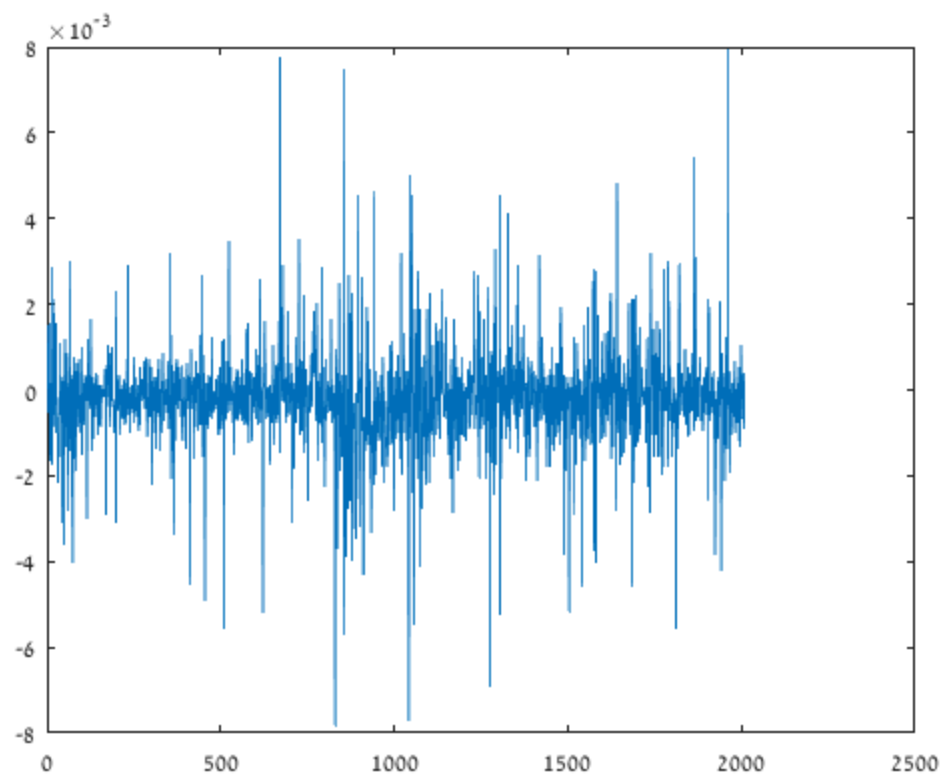
*Norm of M*v is: 0.049642*

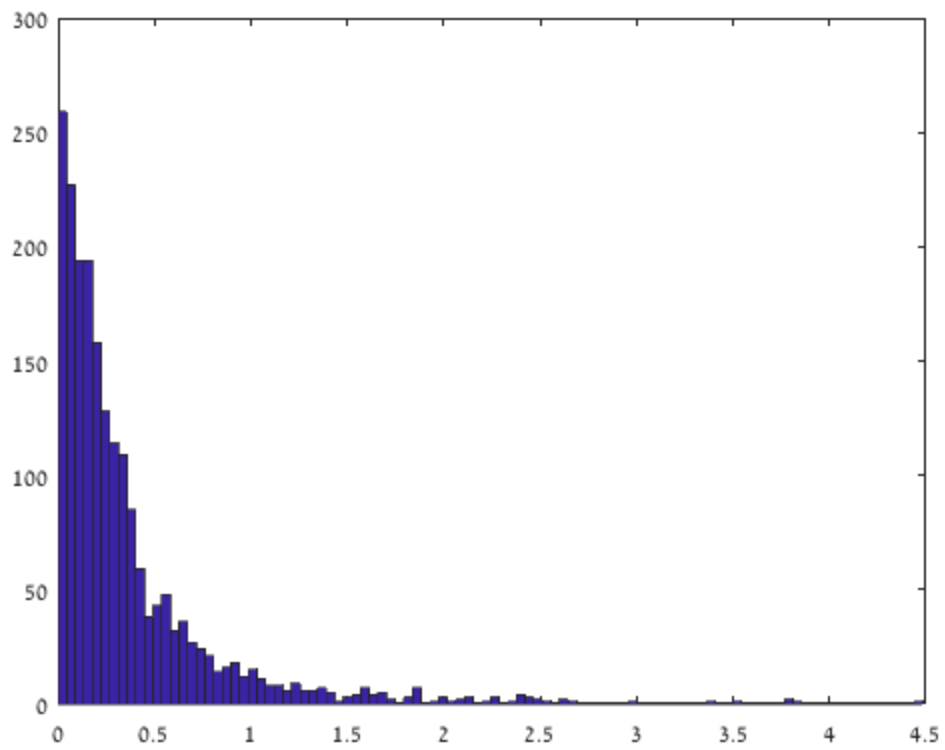
F is:

-0.0000	-0.0000	0.0058
0.0000	0.0000	-0.0267
-0.0072	0.0263	1.0000

The mean epipolar distances with normalization is: 0.36123

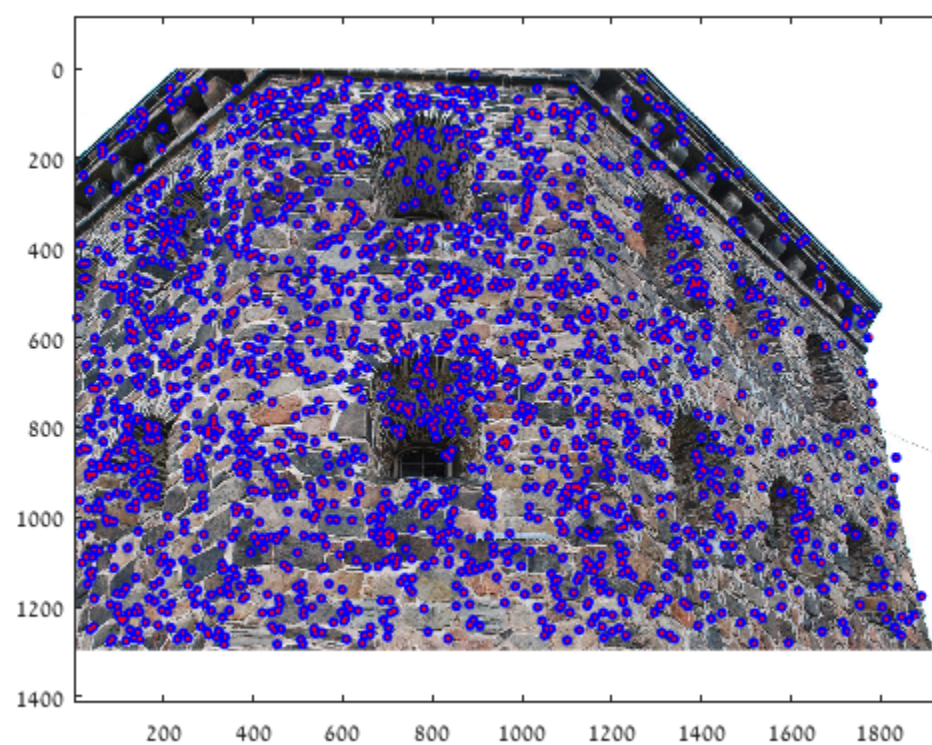
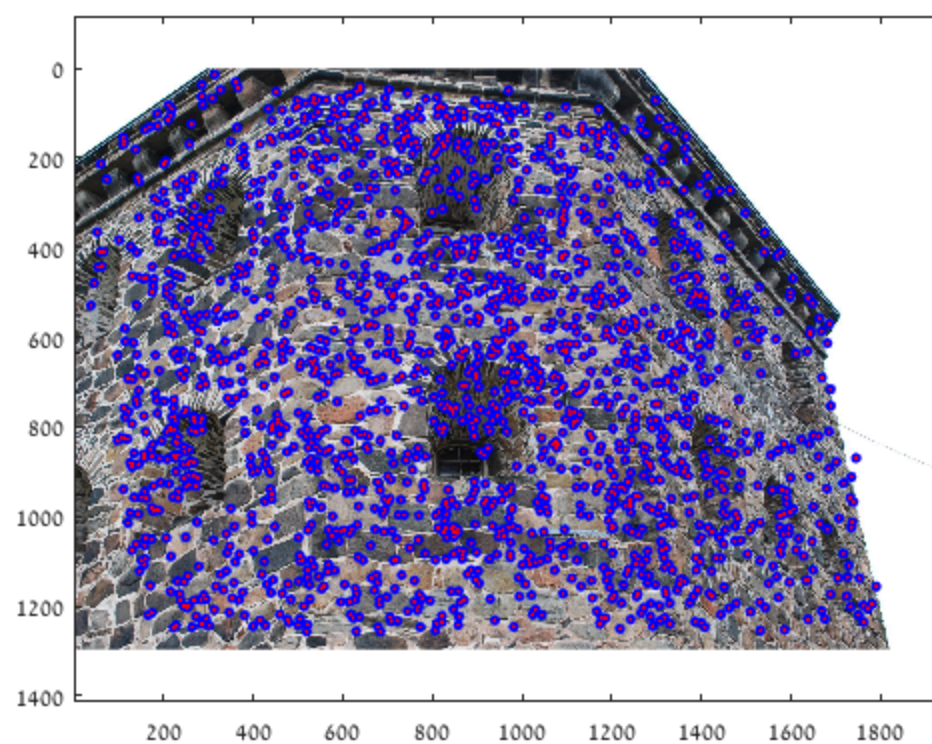
The mean epipolar distances without normalization is: 0.48784

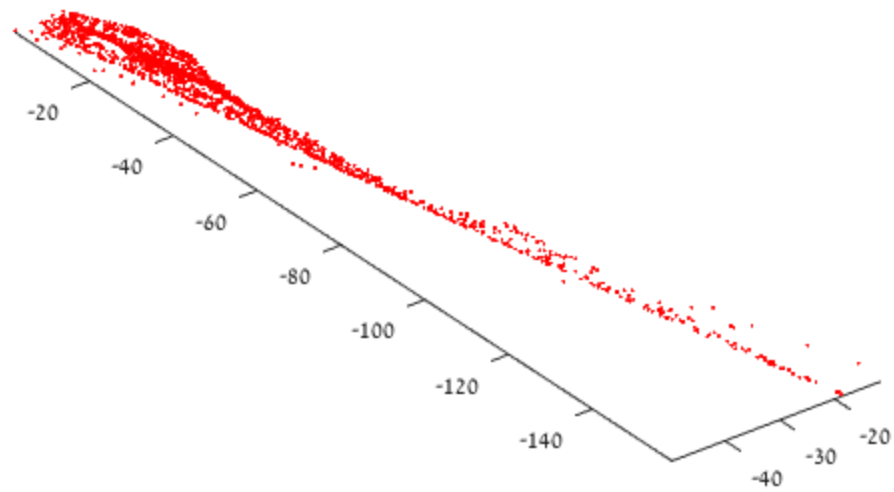




question 2

ex02;





question 3

ex03;

The smallest singular value of M is: 0.0066268

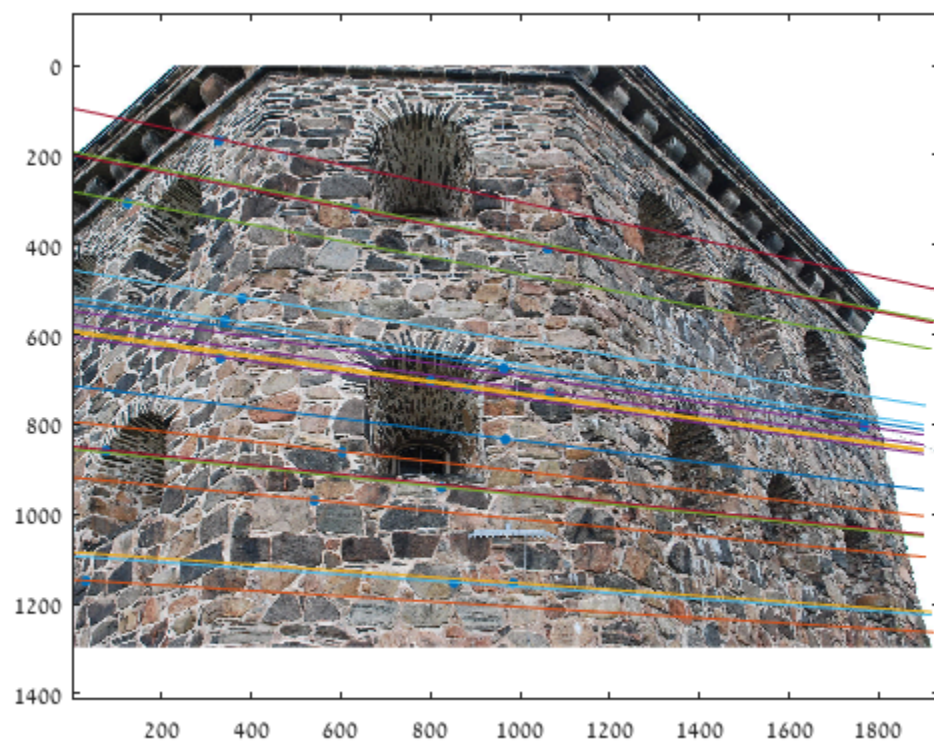
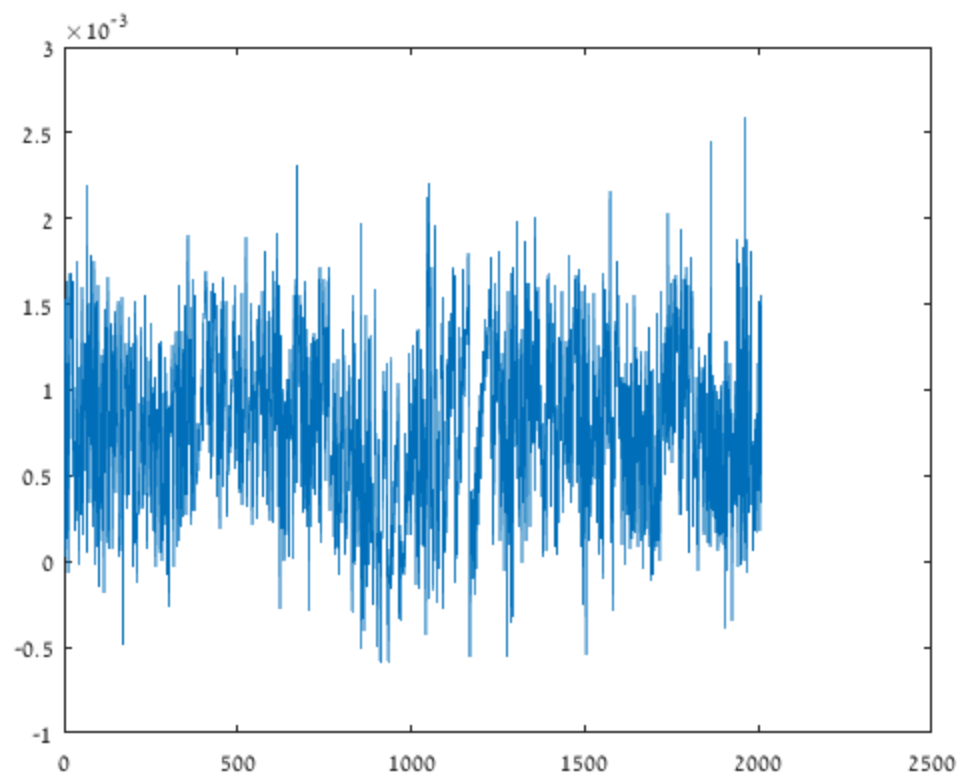
Norm of $M \cdot v$ is: 0.0066268

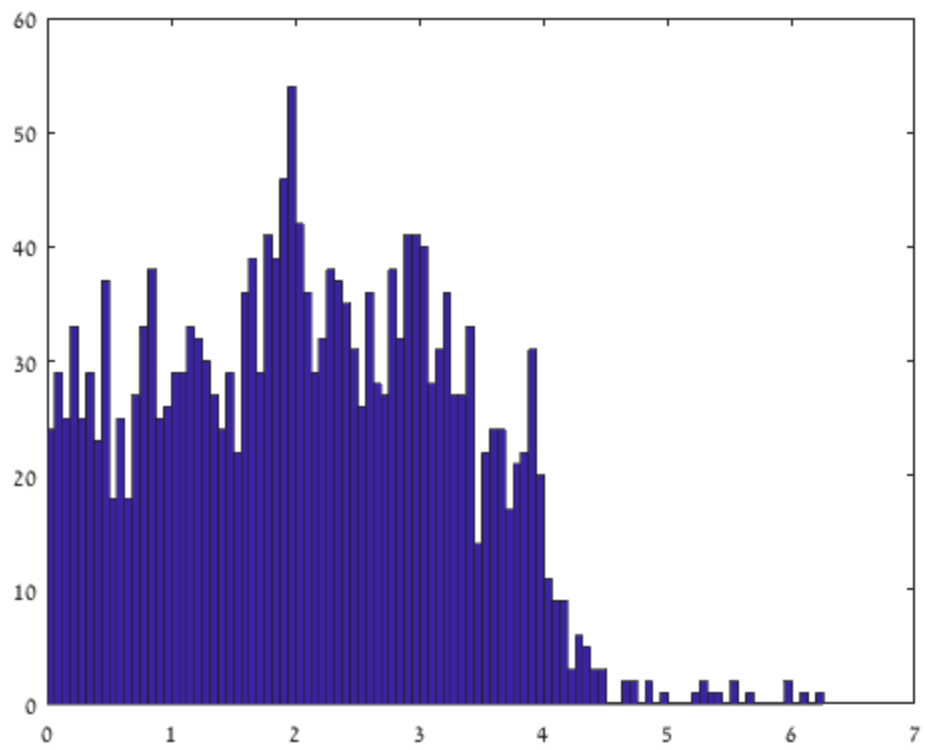
E is:

*1.0e+03 **

-0.0089	-1.0058	0.3771
1.2525	0.0784	-2.4482
-0.4728	2.5502	0.0010

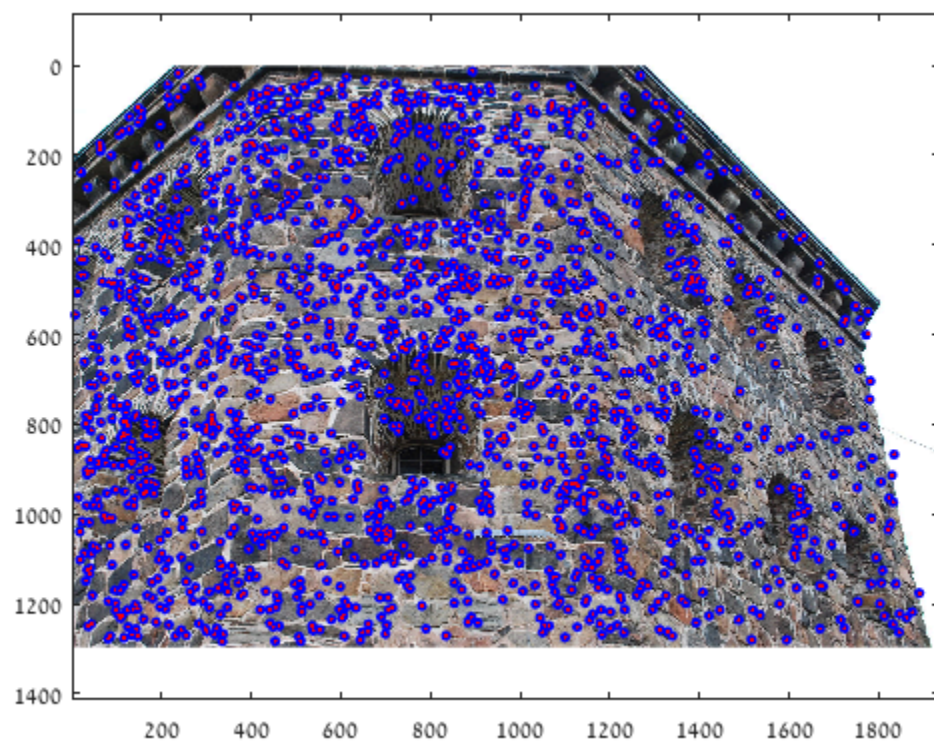
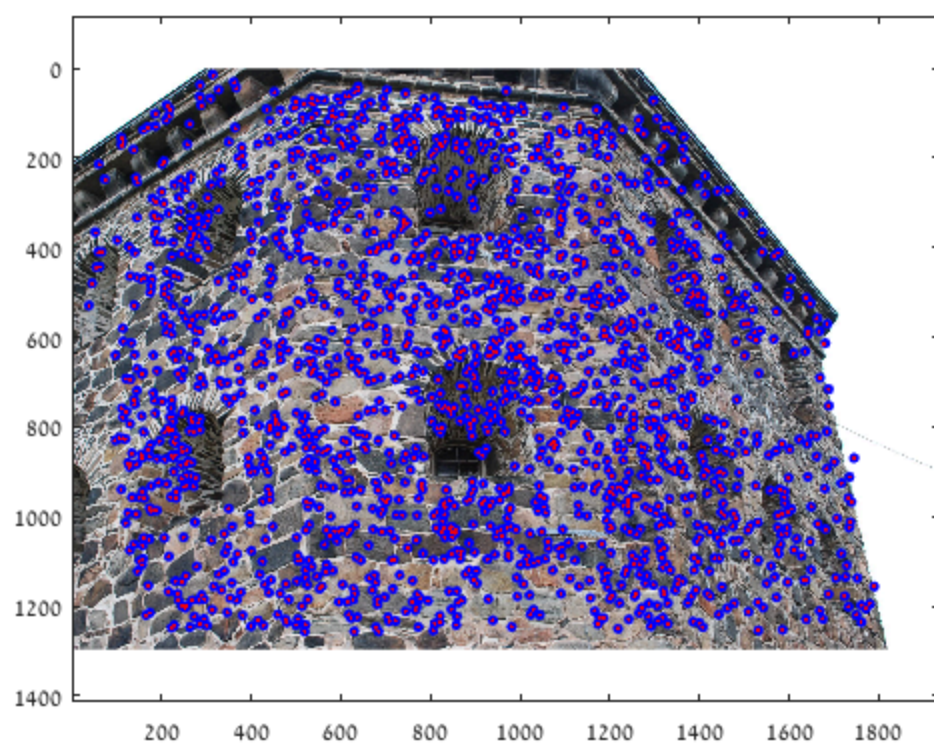
The mean epipolar distances is: 2.0838

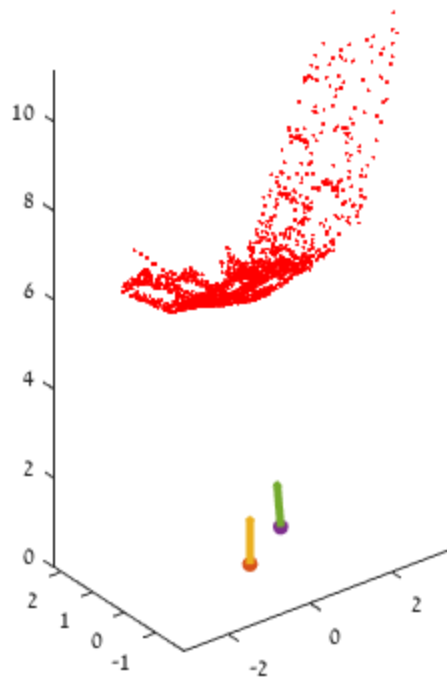




question 4

ex04;





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