Report for HW1!

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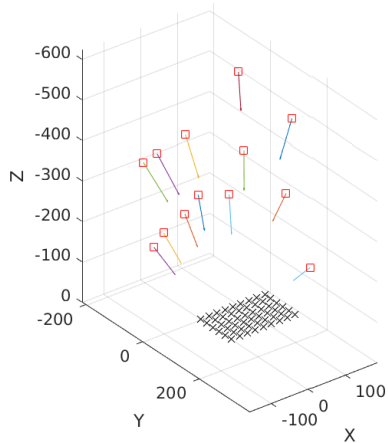Email: amitrokh@umd.edu

I. INTRODUCTION

Well, basically the stuff worked out of the box! Equations from the paper were literally (almost) copied to the predefined function prototypes and then the optimizer did most of the job. The Matlab vision toolkit was... problematic at first, but it turns out they have a 50-day trial licence. I swear I will pirate this thing next time.
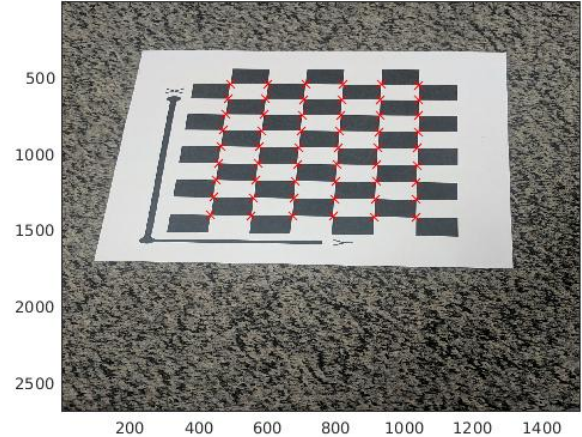
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A. Pictures here:

1) The final accuracy was ~0.51px, the output is:

camera positions and directions with 3D points

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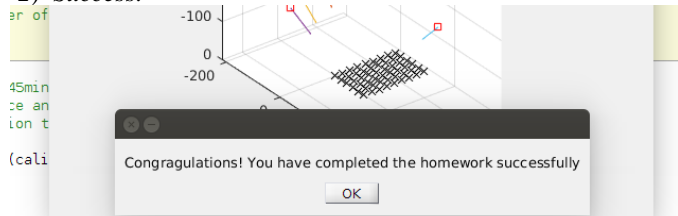*2) Success!*

3) The reprojection of 3D points back to the image (after the optimization):

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