TECHNCIAL UNIVERSITY OF DENMARK

02504 COMPUTER VISION F24

Visual Solutions

TO EXERCISES

February 9, 2024

Preface

This file contains visual solutions to the programming exercises. It is intended to be a way of checking, whether your code outputs the correct results. If your code does not produce the shown result, check whether the settings are the same (e.g. same camera matrix $\mathbf{K}$, same rotation matrix $\mathbf{R}$, same translation vector $\mathbf{t}$) or something else. If you are stuck you are always more than welcome to write to us on Piazza :-)

Contents

1 Week1

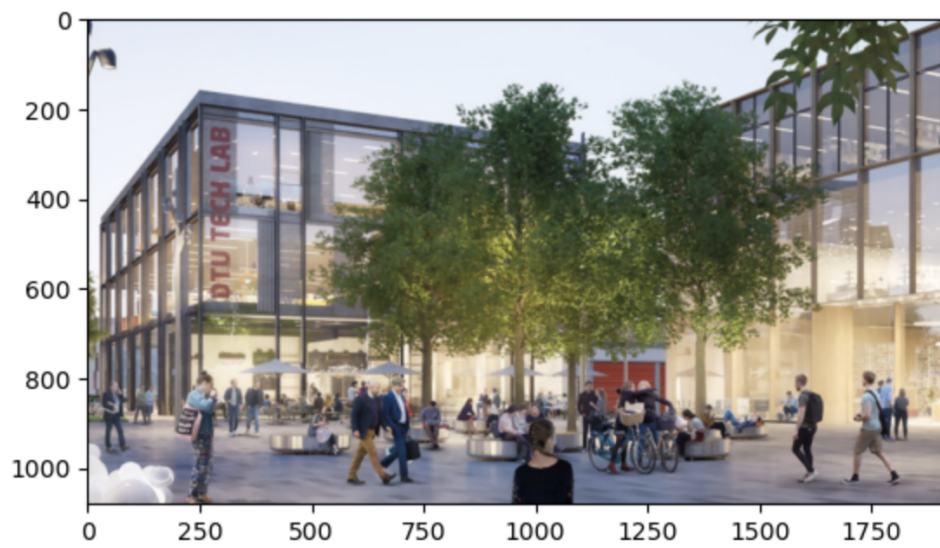In this exercise the *vision1.png* was used.
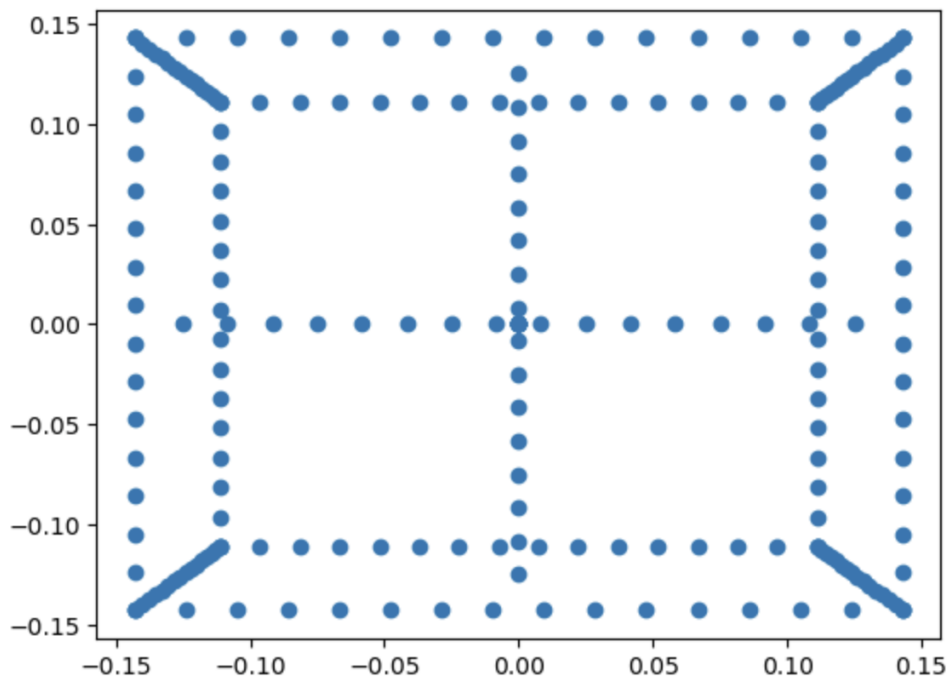

Figure 1: Solution to Exercise 1.10
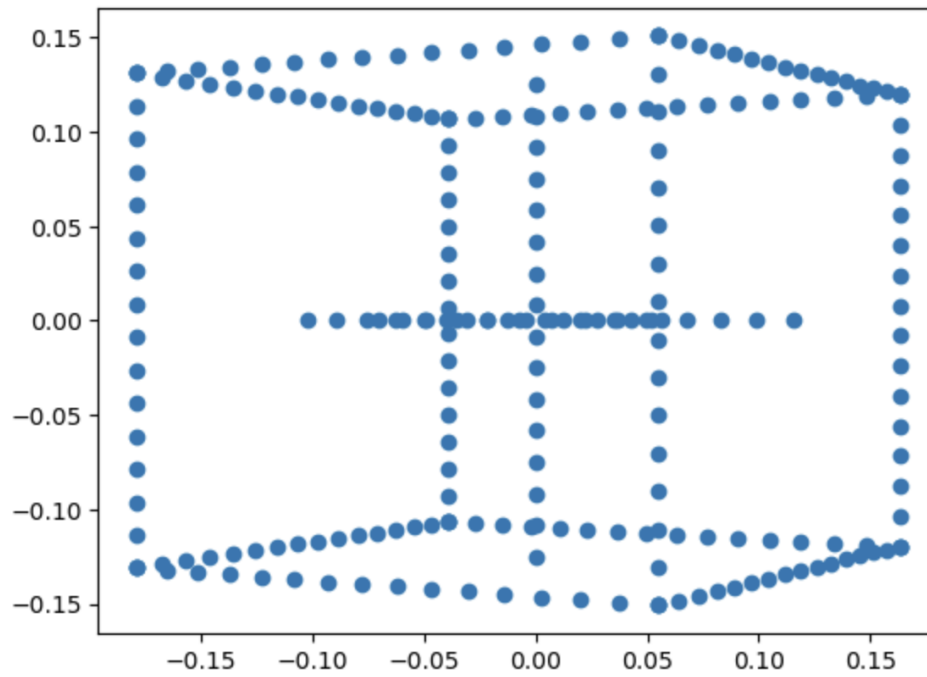

Figure 2: Solution to Exercise 1.13

Figure 3: Solution to Exercise 1.14

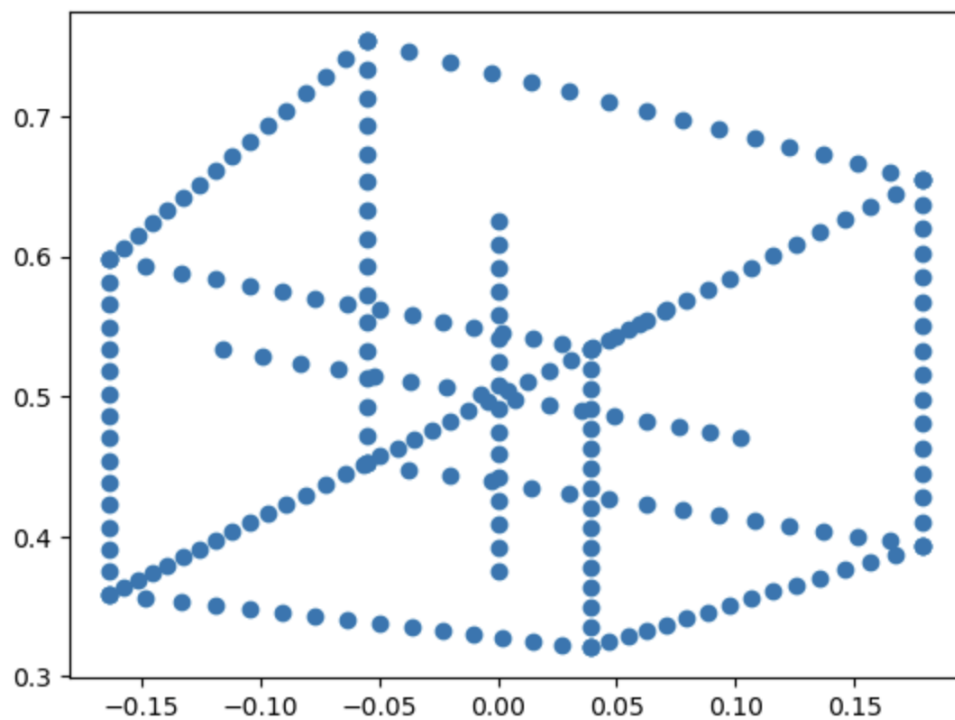Note in Exercise 1.15, the translation vector $t = [0, 2, 4]^T$ and the rotation matrix (around the Y-axis) R with $-30°$ was used.

Figure 4: Solution to Exercise 1.15