

Computer Vision Self-optional exercise - Stereo vision

1) Epipolar lines.

- a) Visualize a set of epipolar lines in both images. Start from the world coordinates of some points of which you know that their projection lies in both images.
hint: First make an analytical formula and see which lines actually fall inside the images!

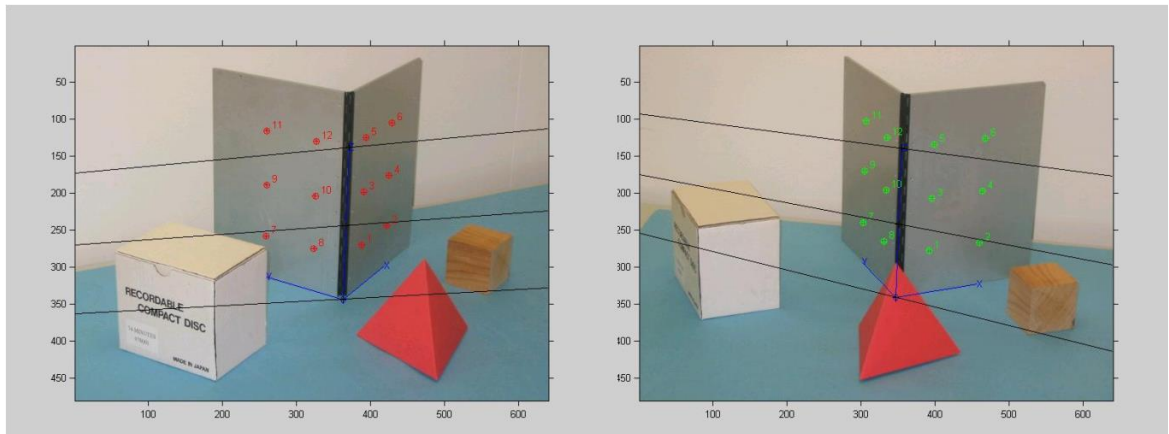


Figure 1. Visualization example.

- b) Apply rectification to the images
c) Check that the epipolar lines are now parallel

The deadline for these assignments is on 16 December 2021. To submit your results, create a project folder containing a ReadMe.txt file to explain how to run your programs and the expected output, add the requirements.txt file with the necessary libraries and versions used (see below a project structure example). Compress the folder in a file, name it as follows: WPO1_yourfirtsname_yourlastname, and send the compressed file to aberengu@etrovub.be.