

EE645 3D Computer Vision

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Language Python 3.6.6

OpenCV Version 3.4.2

Running the code. Open the given folder in terminal. Choose the appropriate version of python, maybe 3 or 2 and then run the code. The progress will be displayed as messages. Do note that for the panorama stitching, I have commented the part of the code where we make use of the inbuilt “cv2.findHomography() function”. Also, the folders have the images attached here for your reference.

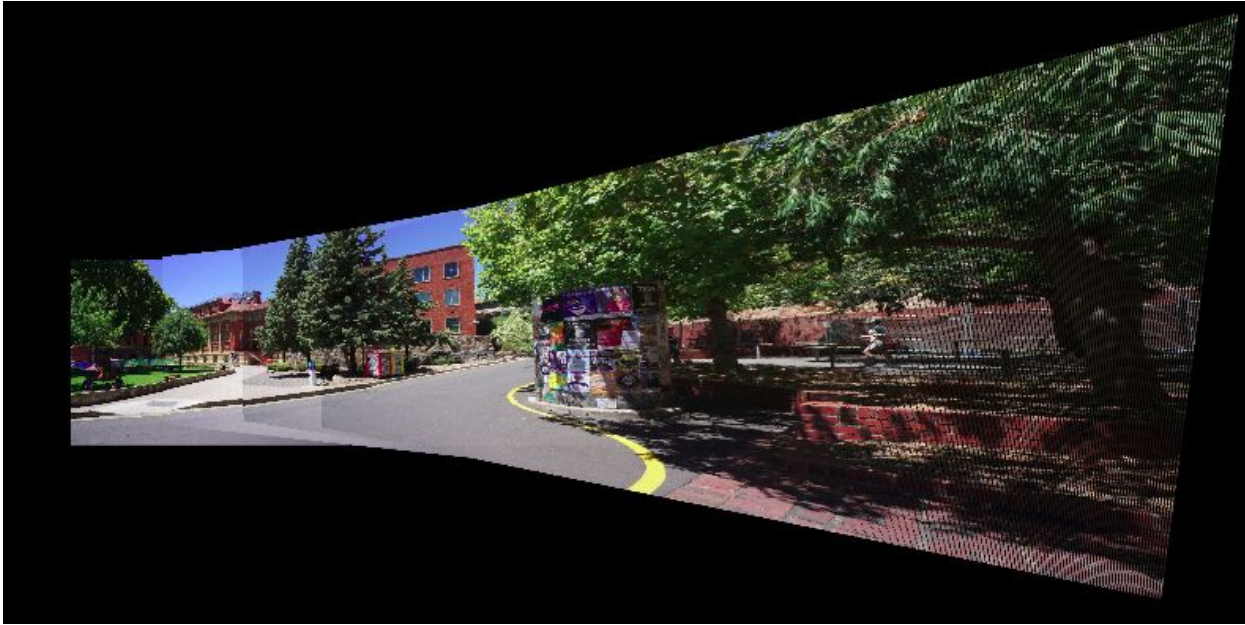
The panoramas were stitched as below. I am attaching both the panoramas generated from the inbuilt function as well as my own generated panoramas.

In Built Panoramas

Image 1



Image 2



My Results



For RGBD Part of the Code, I am putting up all the results in the folder that says Results for Image 2 only.