

Assignment 4

Stereo image correspondences using Fundamental matrix.

1. Take a stereo image pair of the static scene as the input.
2. Estimate the fundamental matrix between the stereo images.
3. For each point in the reference image, compute epipolar line in the source image.
4. Search along the epipolar line in the source image to find the corresponding point of each location of the reference image.
5. Create an image which is geometrically similar to the reference image using the image patches of the source image.

Note: Inbuilt functions are allowed. Marks will be awarded based on the quality of the results. At least 3 results should be provided in the report.