

Assignment #3 – Matching & Homography

- Detect SIFT features on two test images (images will be provided. Use OpenCV implementation in non-free modules).
- Compute SIFT descriptors on detected features (Again use OpenCV implementation)
- Perform matching using Euclidean Distance (Assume descriptors as 128-tuple vectors). (Use ratio method in Slide 45, Use 0.8 as threshold)
- Display using drawMatches OpenCV method
- Compute Homography between two images (Use matched features and OpenCV homography method)

Assignment #3 – Matching & Homography

- Compute Homography between two images (Use matched features and OpenCV homography method)
- Map each matched feature in First image to the second image using the computed homography.
- BONUS 1: Compute Homography using the method in the slides.
- BONUS 2: Warp First Image using the homography to get the second image
- Deadline: 24.04.2013