

Panorama and Feature Matching

1. Take an image and a pixel location (15,15). Take the window size of 3,3 such that the pixel is located at the center of the window size. Now form a vector of 9 values which are just the intensities in that window. (Intensity of pixels : (14,14),(14,15),(14,16),(15,14),(15,15),(15,16),(16,14),(16,15),(16,16))
2. Extract Features from the images.
3. Draw the lines between the matched features.
4. Create a Panorama with multiple Images.

Homework Exercises:

Add the results and observation for the three textures:

1. Images captured by your phone of any view.
2. Homogeneous or a simple flat patch with uniform color (may be a pic of your wall).
3. Images containing the source of light (pic of sun or your tubelight.)
4. Images taken by low light vision (pics clicked in a dark room)