

Panoramic photograph stitching using Harris Features

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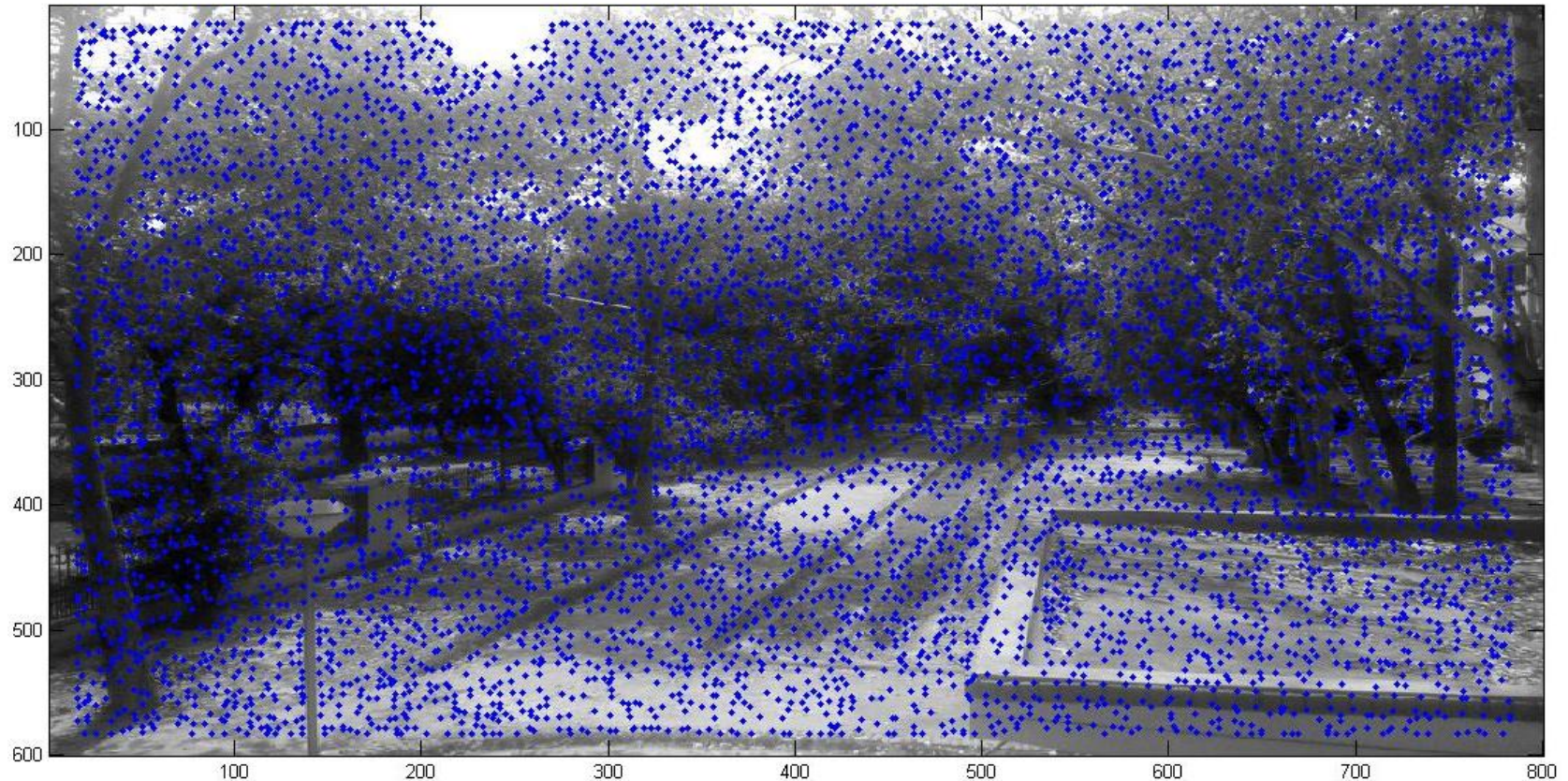
Steps

- Harris corner/feature detection
- Calculating SHIFT descriptors
- Feature vector matching -
Nearest Neighborhood Algorithm
- Image are Projected - Estimated
Homography Transformation

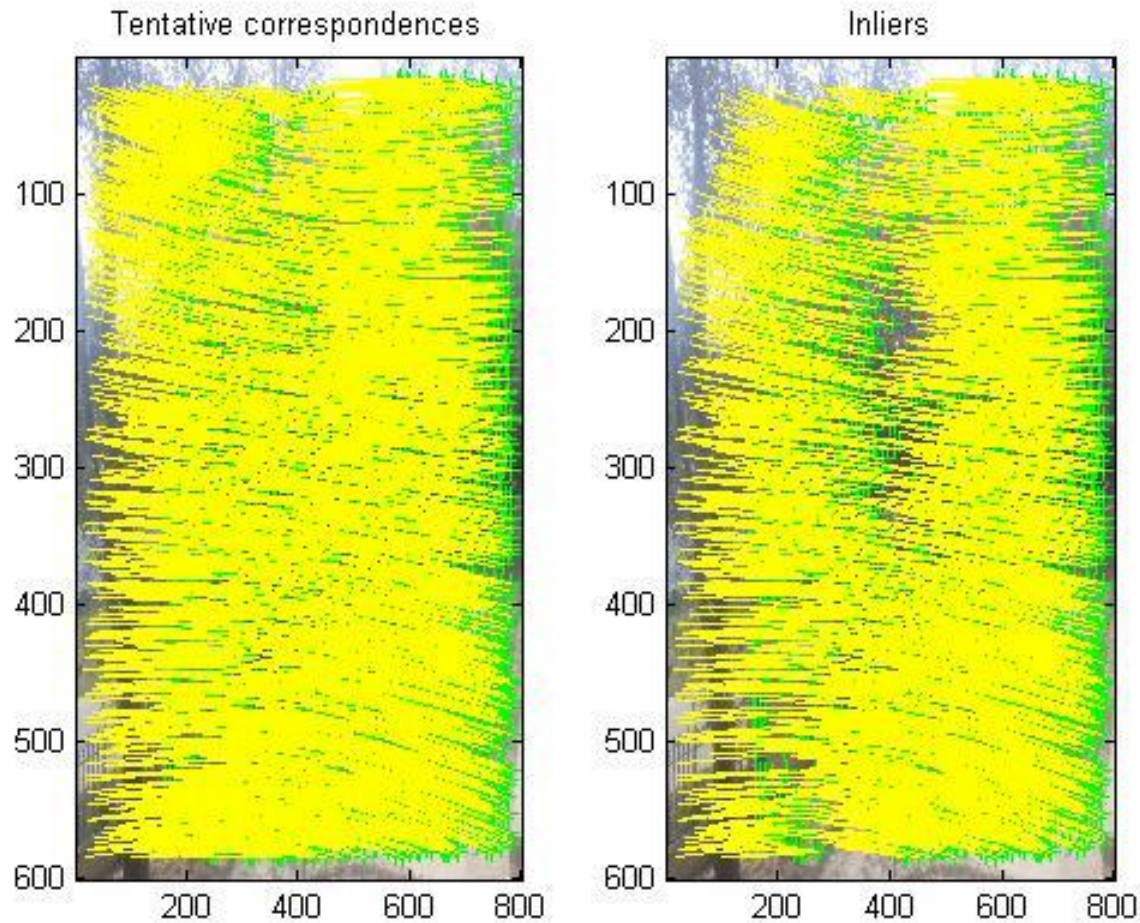
Test 1

With low angle variation

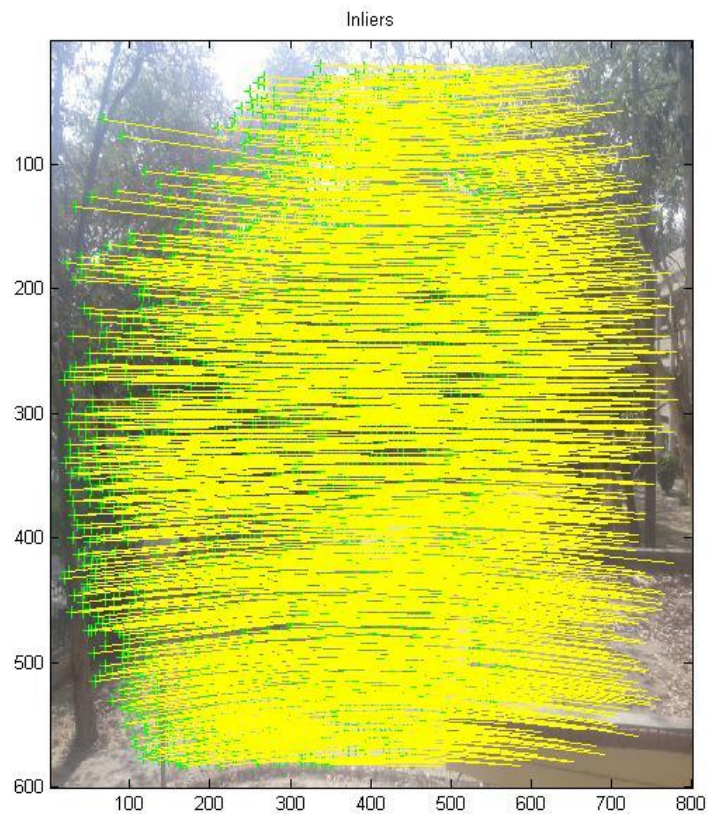
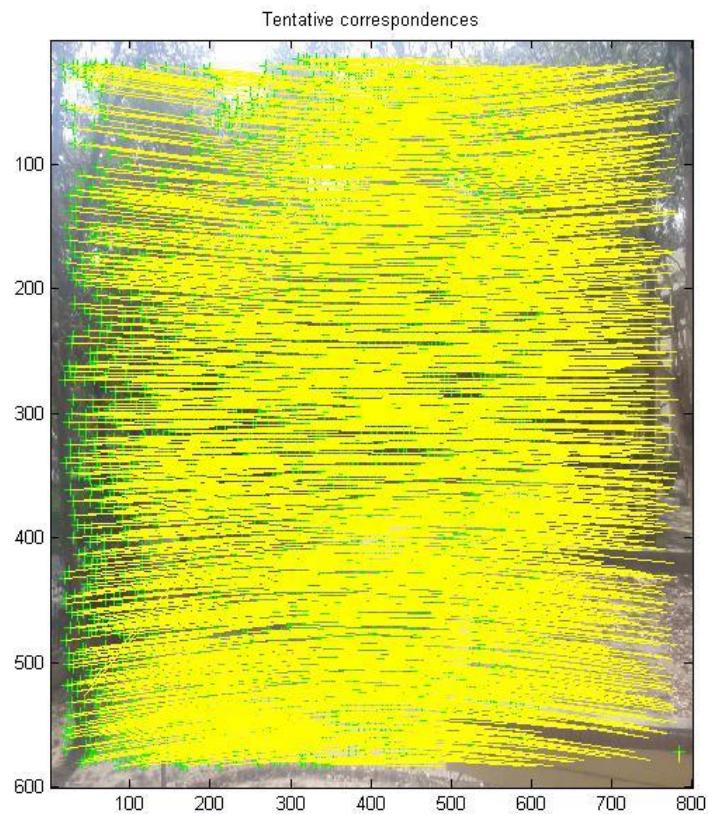
Harris Corner/Feature detection – Output (Image 1)



SHIFT descriptors for Image 1 and 2



SHIFT descriptors for Image 2 and 3



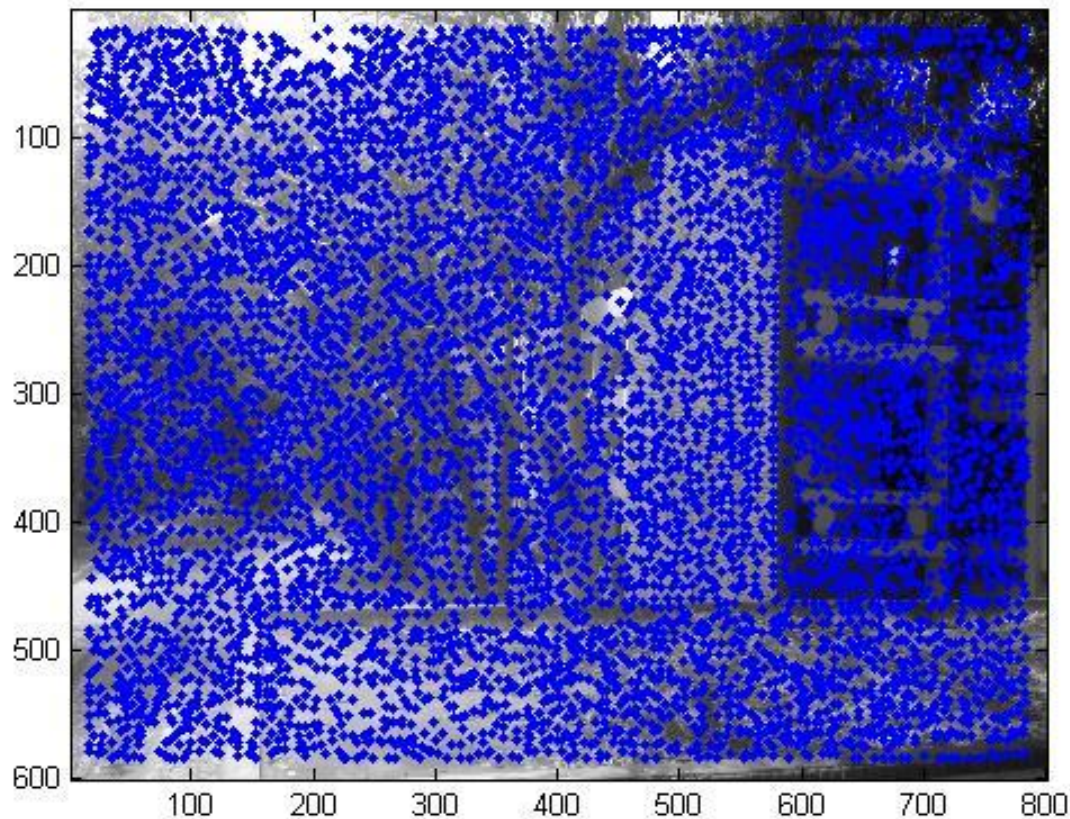
After Projecting Image : Panoramic Output



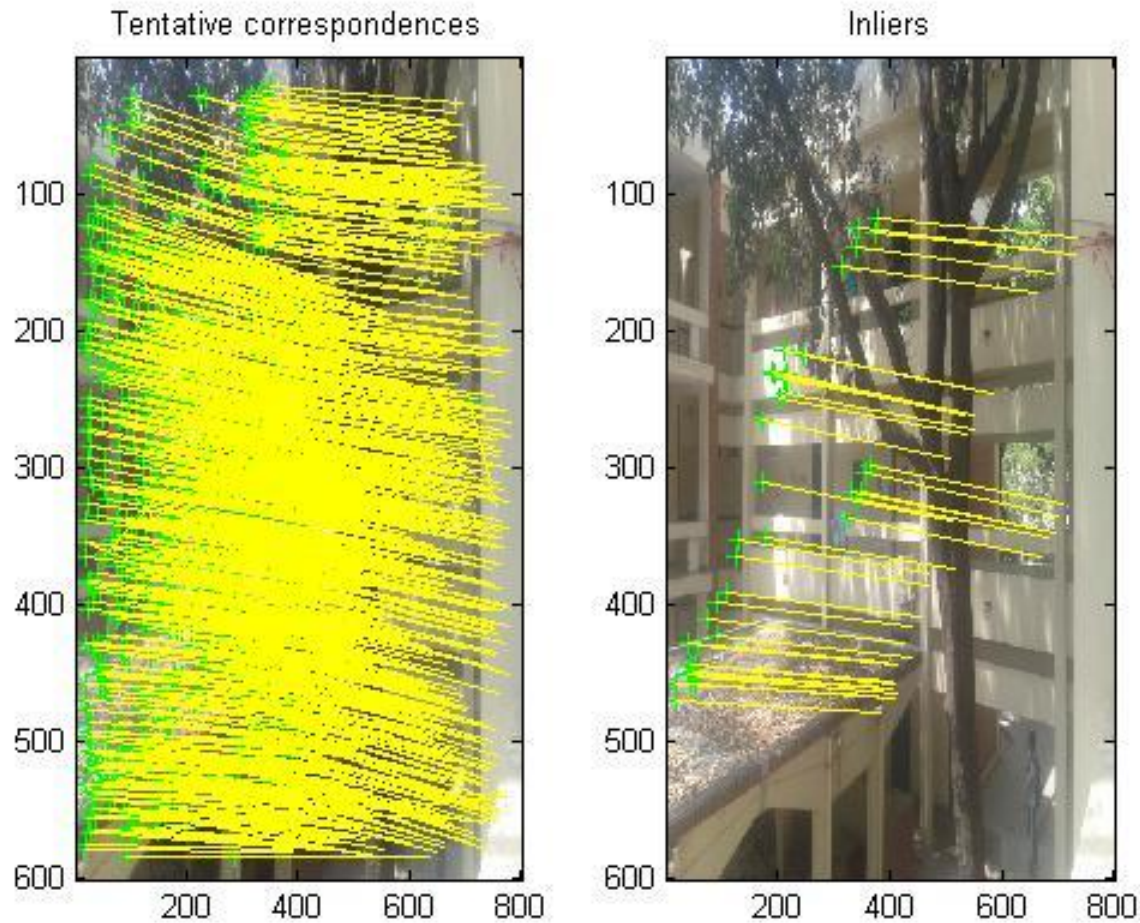
Test 2

With light-high angle variation

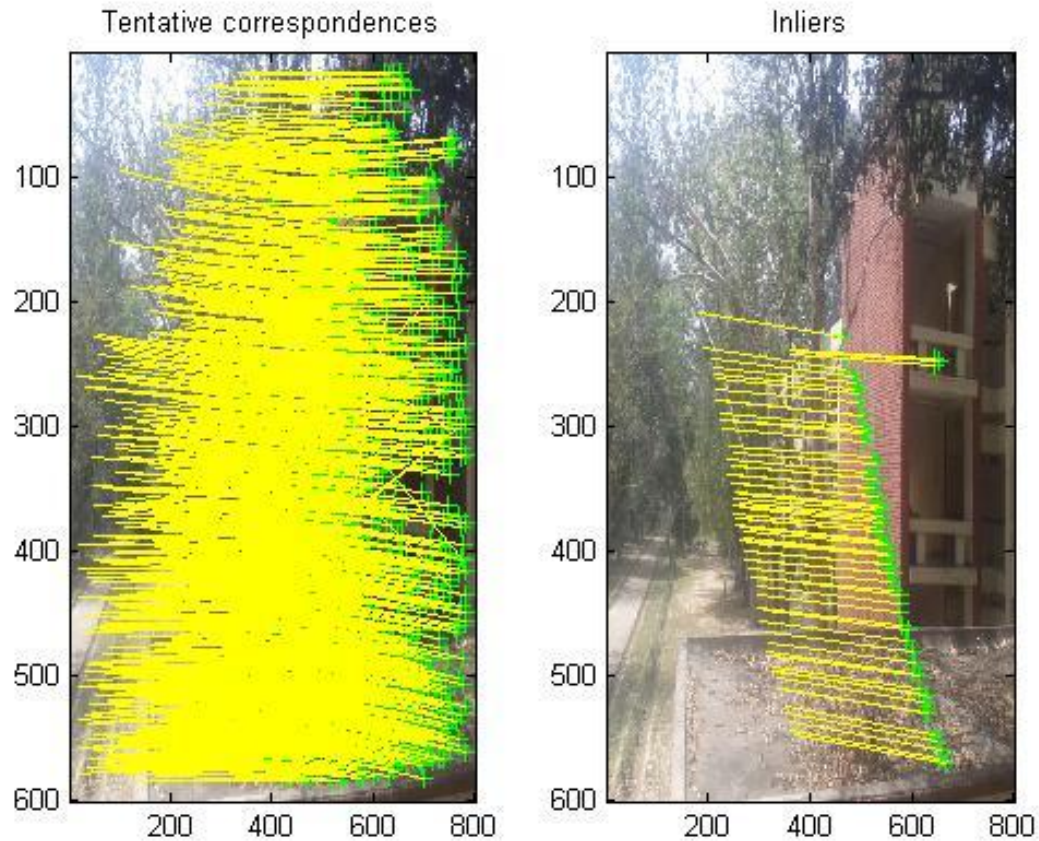
Harris Corner/Feature detection – Output (Image 1)



SHIFT descriptors for Image 1 and 2



SHIFT descriptors for Image 2 and 3



After Projecting Image : Panoramic Output

