

Computer Vision: Assignment 2

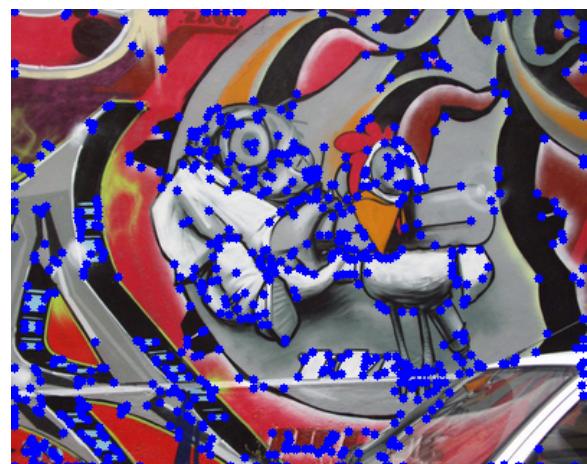
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0. Run command python driver.py to generate the result for all images including:

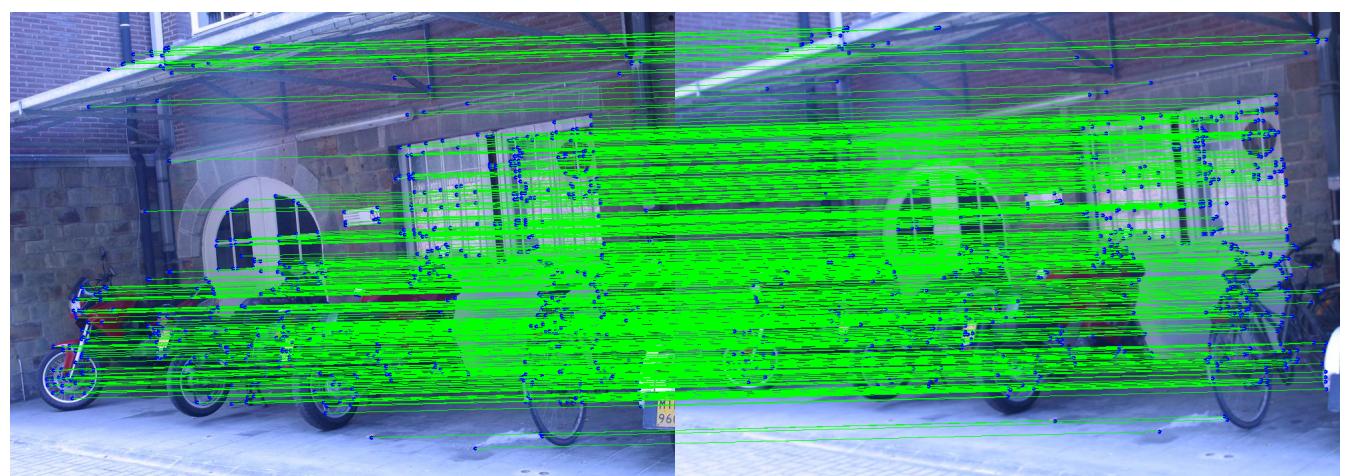
- Harris corners in each images
- Matches between test cases(NCC)
- Inliers and outliers in matches(RANSAC)
- Warping results(Harris corner)
- Simplified SIFT points in each images
- Matches between test cases(Ratio test)
- Inliers and outliers in matches(RANSAC)
- Warping results (Simplified SIFT)

Usually it takes about 2 minutes to run over the driver script.

1. Sample results for Harris corners:

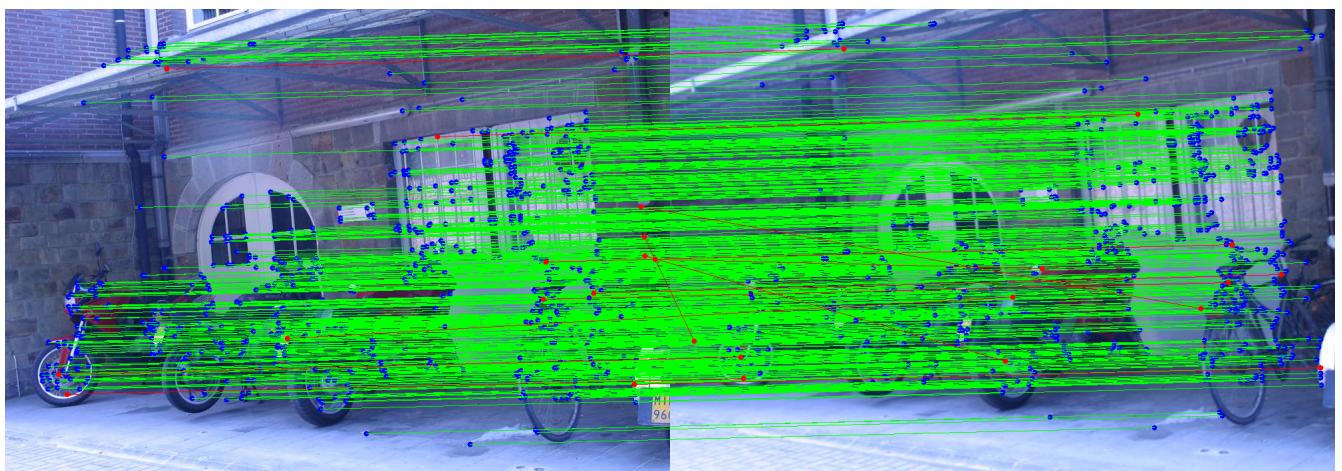


2. Sample results for matching result from Harris corners:

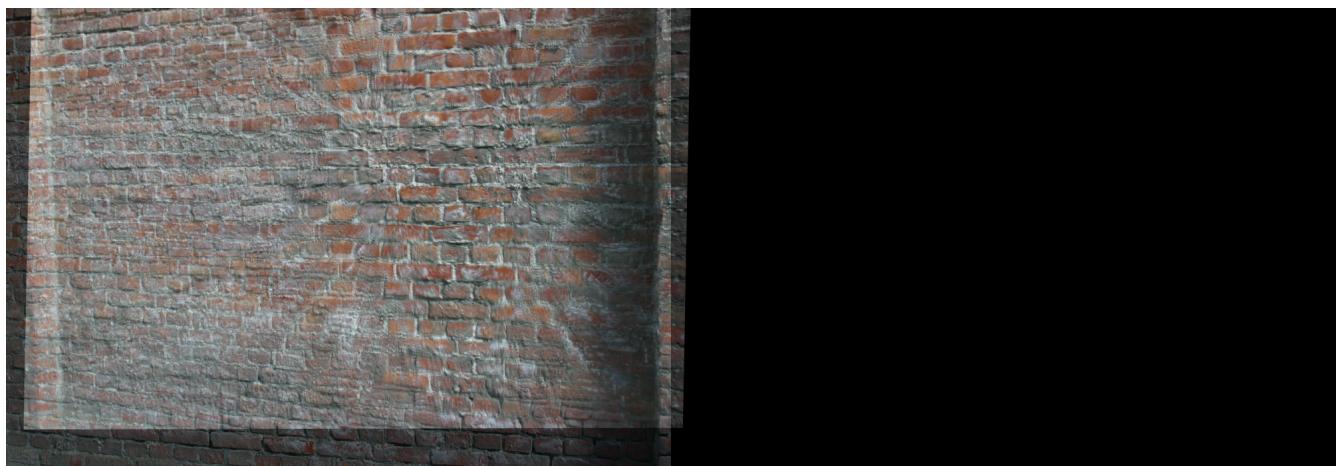




3. Sample results from 2 after RANSAC:



4. Sample results for affine transformation:

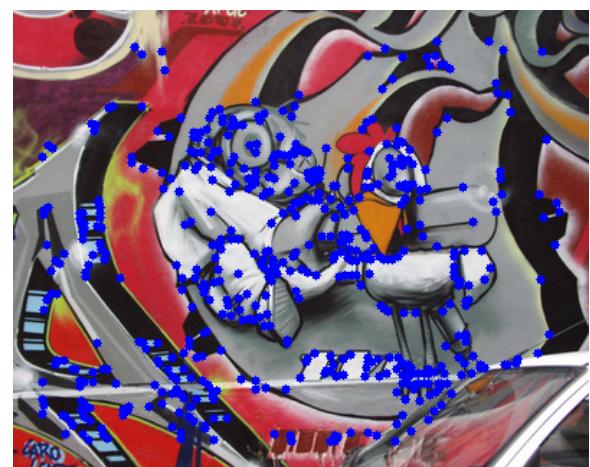


5. Sample results for projective transformation:

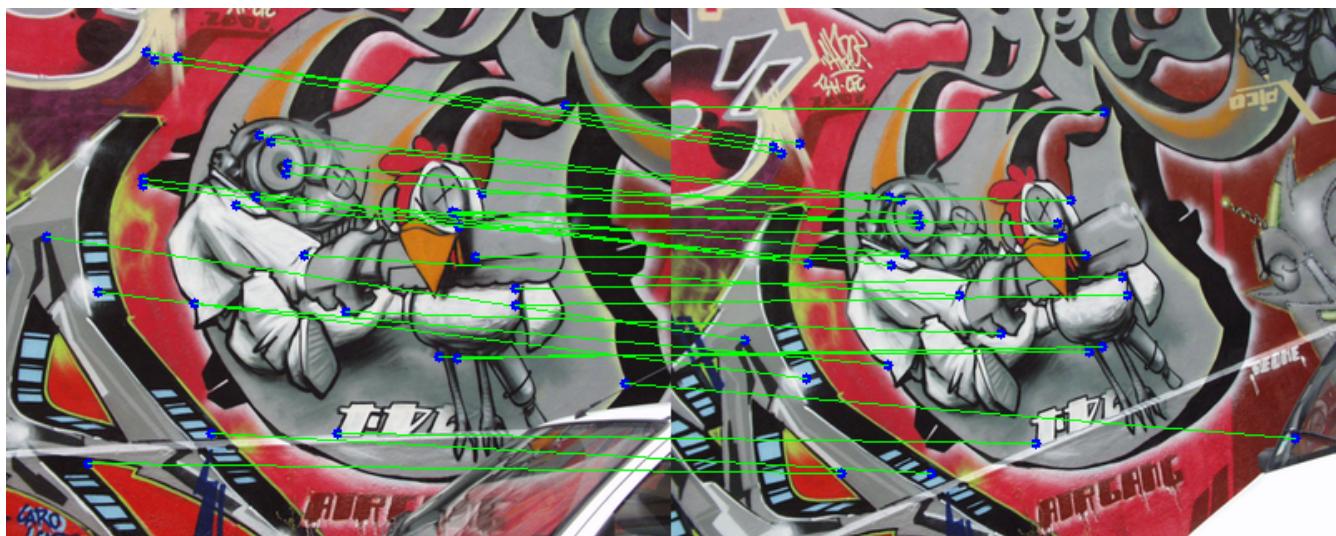


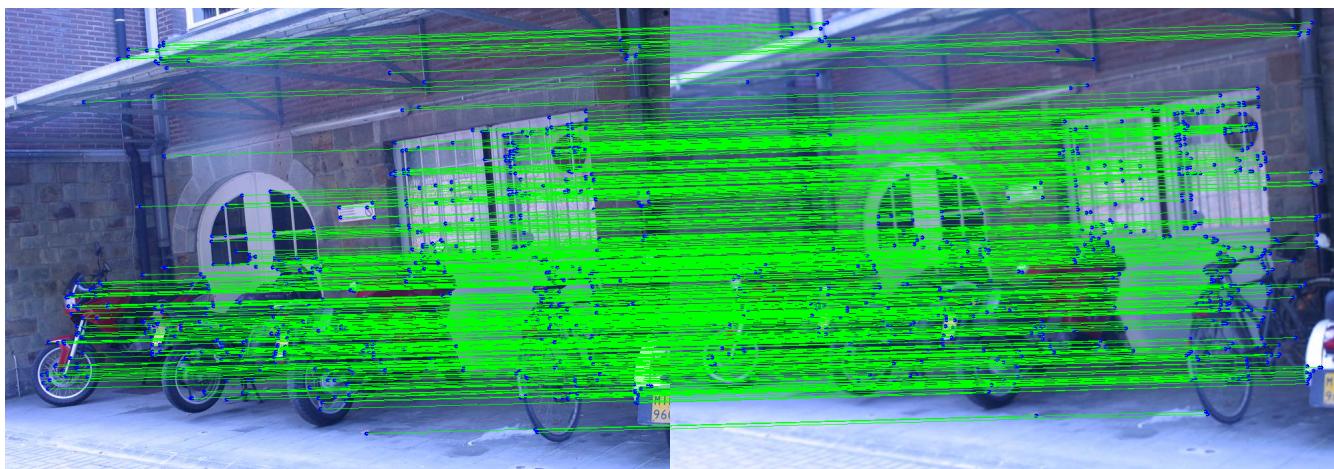


6. Sample result for simplified SIFT:

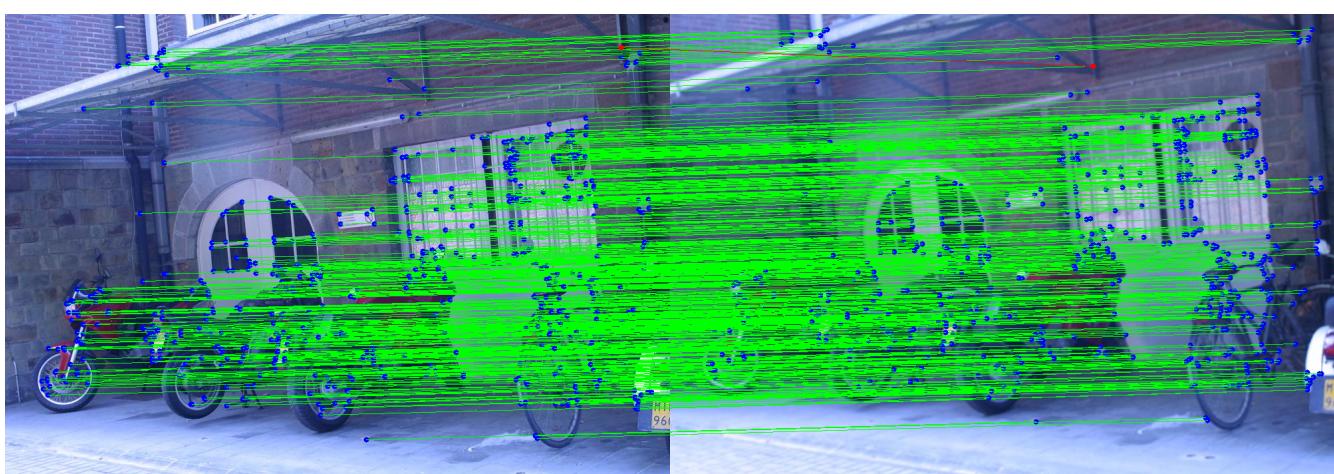


7. Sample results for matching result from simplified SIFT:

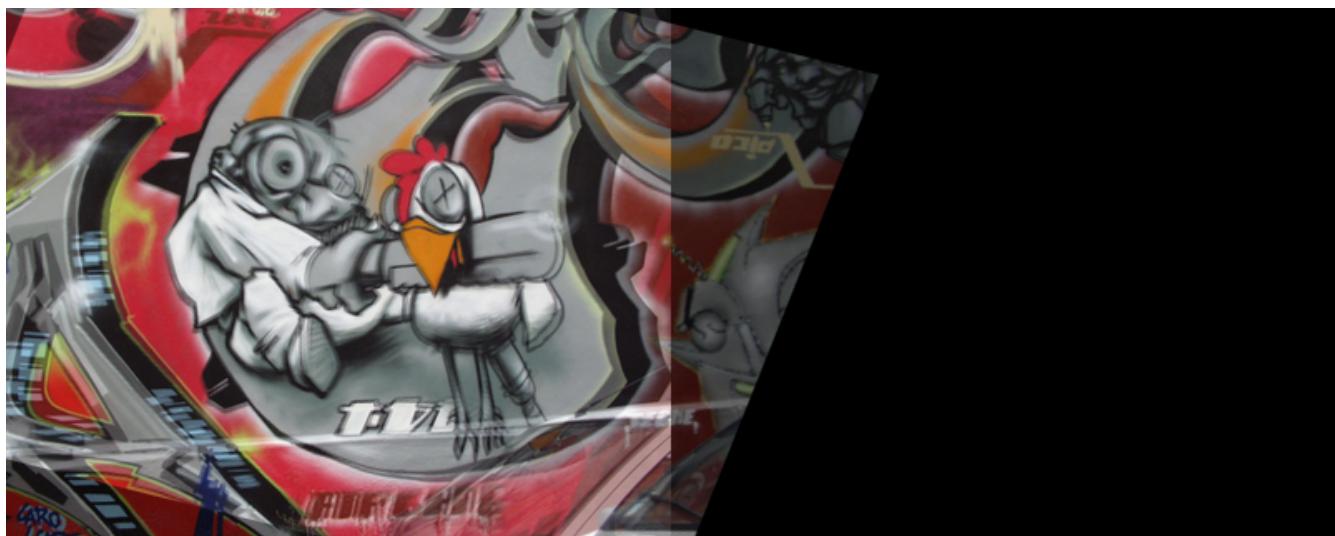




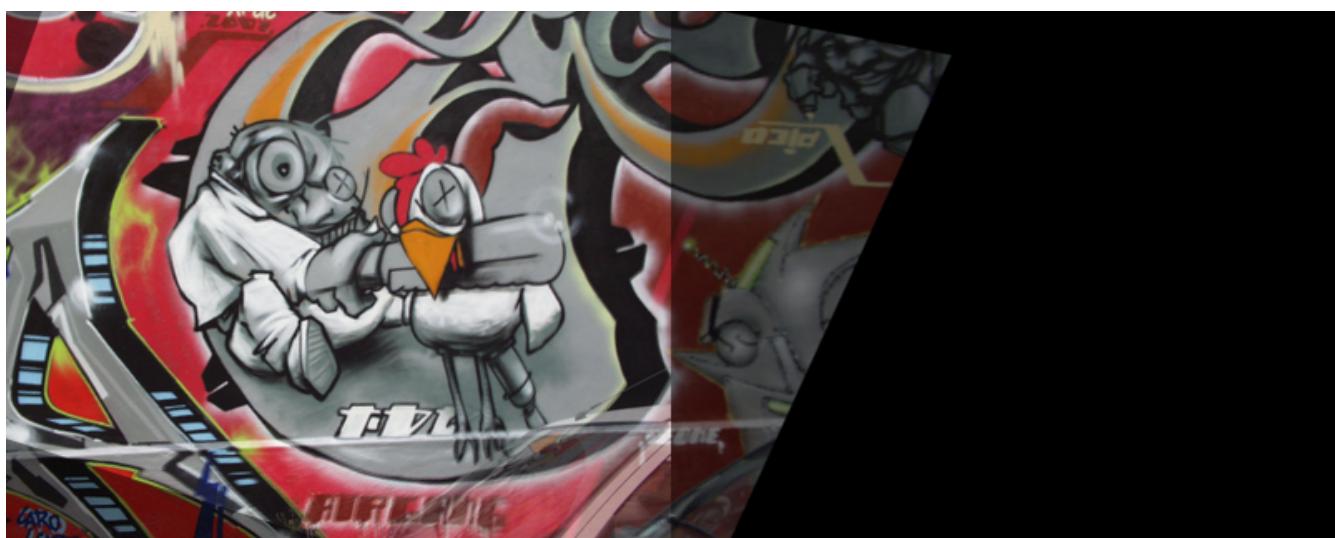
8. Sample results from 7 after RANSAC:

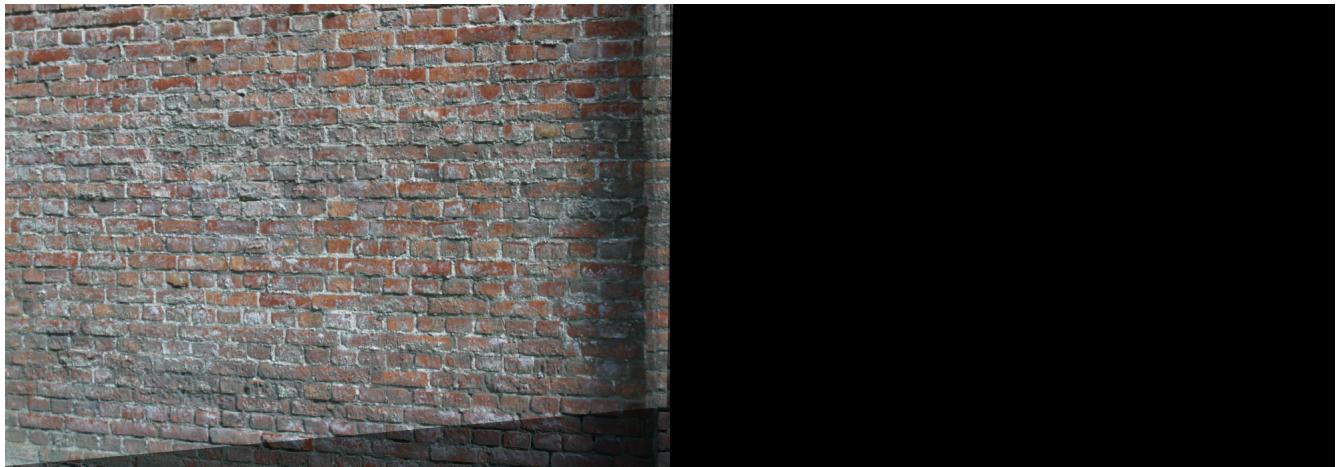


9. Sample results for affine transformation using simplified SIFT:



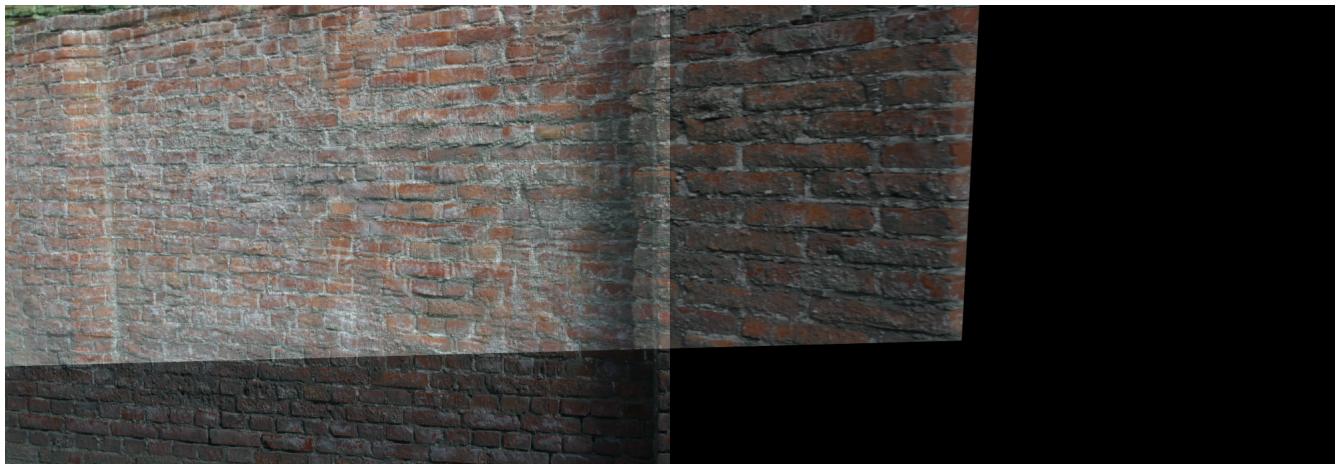
10. Sample results for projective transformation using simplified SIFT:

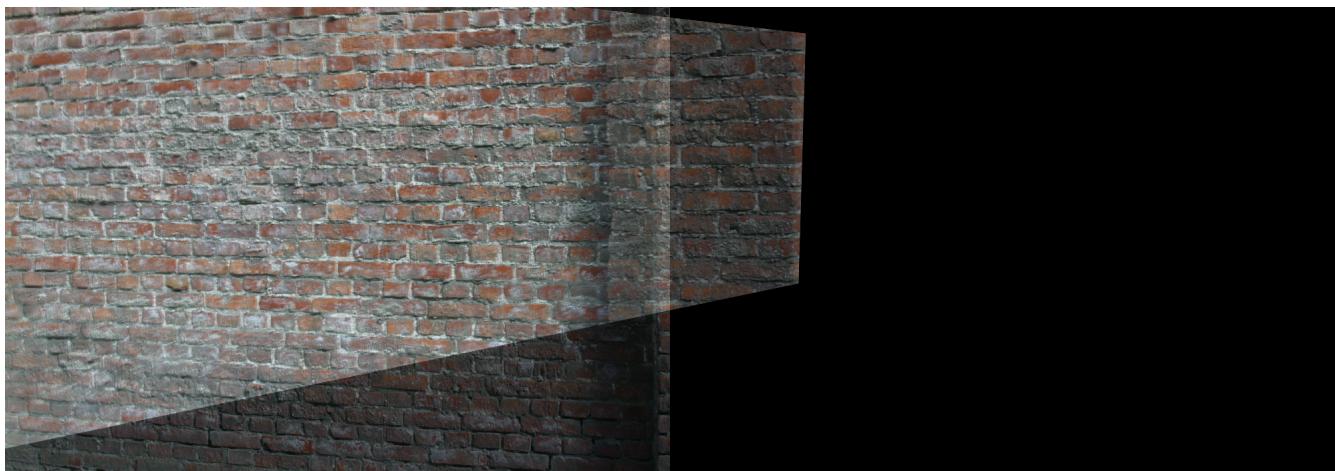
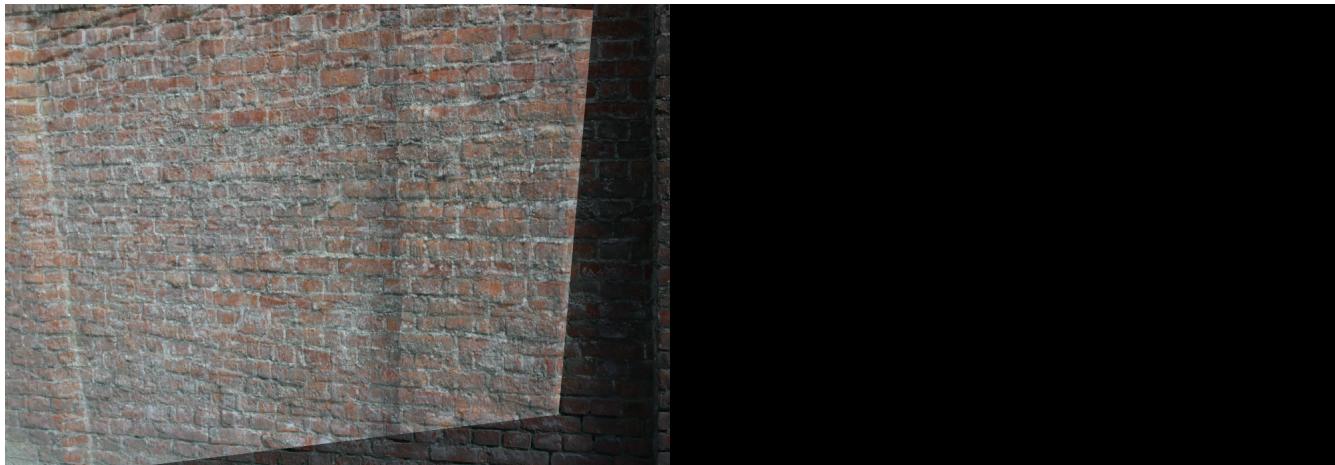




11. Addition:

Usually the result for wall1 and wall3, graf1 and graf3 are bad. But sometimes I get reasonable result for wall1 and wall3. However since the RANSAC algorithm is random so I can't guarantee that every time we run the the program it will return same results. I put them in this report anyway.





Sadly I almost get no good result for graf1 and graf3.