

Exercise Sheet 3 Report
Topic: Feature Detectors, Descriptors, Epipolar
Geometry, RANSAC
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Part4

After implementing the BoW matching compare the number of candidate pairs and inliers when using the match all and match bow functions (clear matches may be helpful). In our case we have 2×82 images. What would be the number of candidate pairs for 2×1000 images for these two functions? Please include the answers in the submission PDF file

For selecting the same area of the image, we can get the result below:

matches_all: Successfully matched **946 out of 13284 image pairs** with a total of 42443 inlier feature matches (109579 total). The new total of matched image pairs is 13366.

matches_bow: Successfully matched **425 out of 3514 image pairs** with a total of 22752 inlier feature matches (42768 total). The new total of matched image pairs is 13366.