

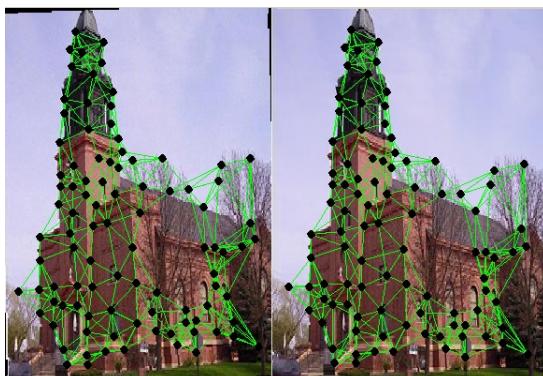
Graph Matching Framework

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1 Experimental Evaluation

1.1 Image Affine Transformation

1.1.1 Example 1



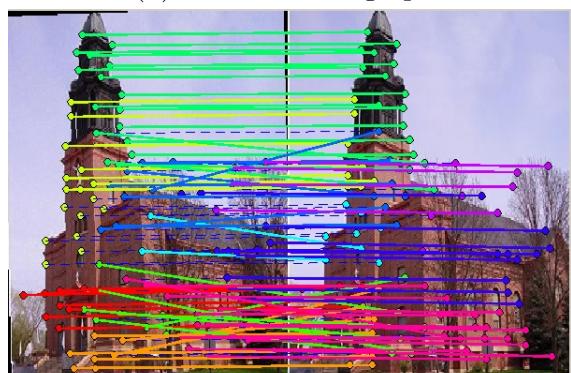
(a) Initial graphs on the lower level



(b) Initial anchor graphs



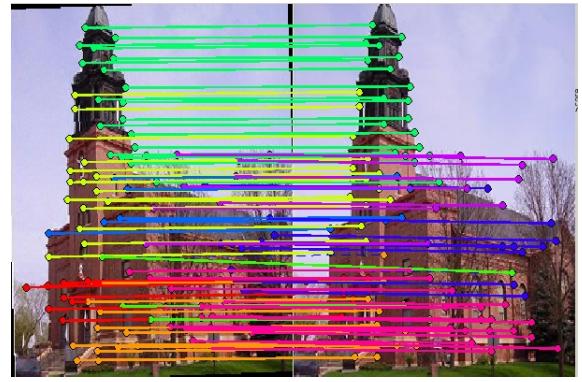
(c) Iteration 1: Graph Partition



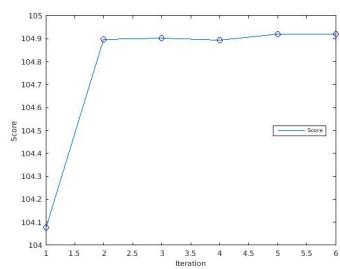
(d) Iteration 1: Graph Matching



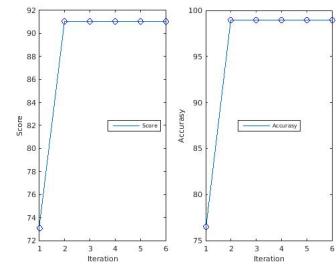
(e) Iteration 6: Graph Partition



(f) Iteration 6: Graph Matching



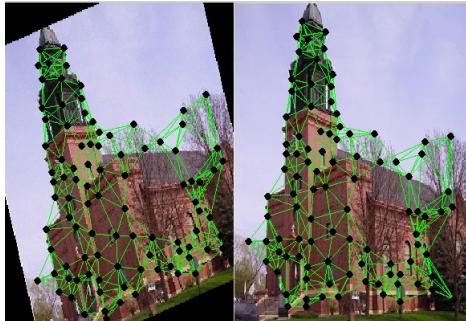
(g) Matching score on the Higher Level



(h) Matching score and accuracy on the Lower Level
Level

Figure 1: Matching of the same images, rotation angle $\frac{\pi}{100}$

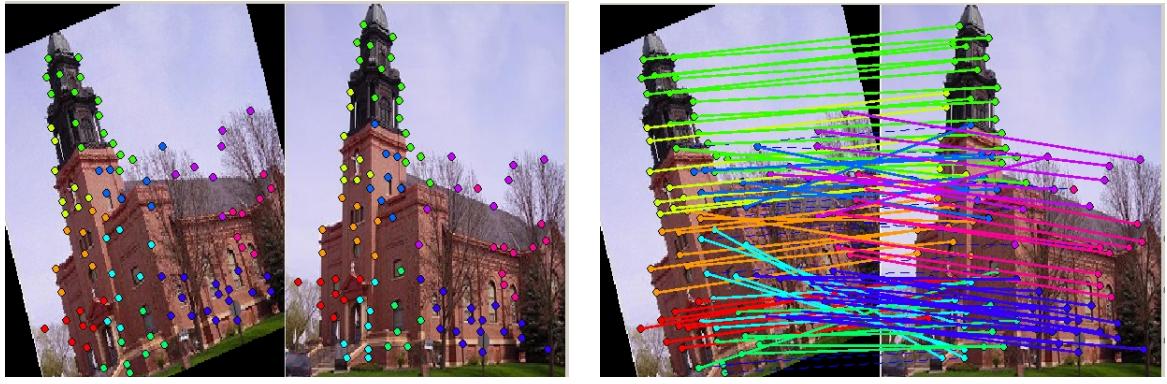
1.1.2 Example 2



(a) Initial graphs on the lower level

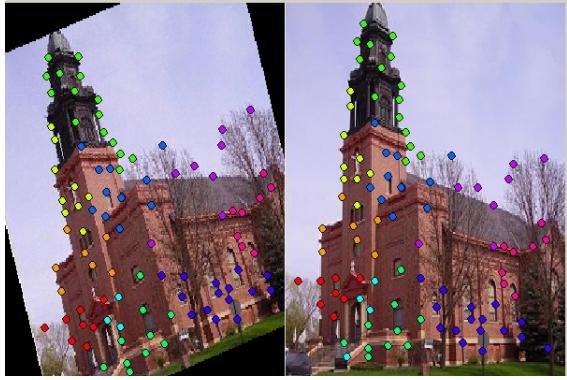


(b) Initial anchor graphs



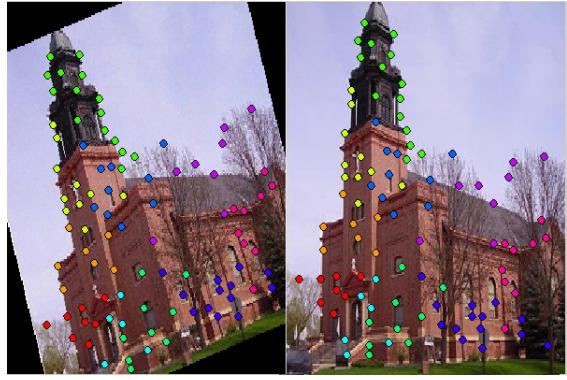
(c) Iteration 1: Graph Partition

(d) Iteration 1: Graph Matching



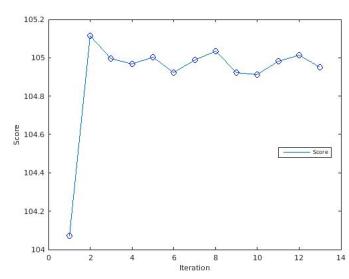
(a) Iteration 2: Graph Partition

(b) Iteration 2: Graph Matching

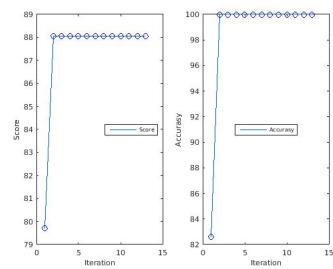


(c) Iteration 11: Graph Partition

(d) Iteration 11: Graph Matching



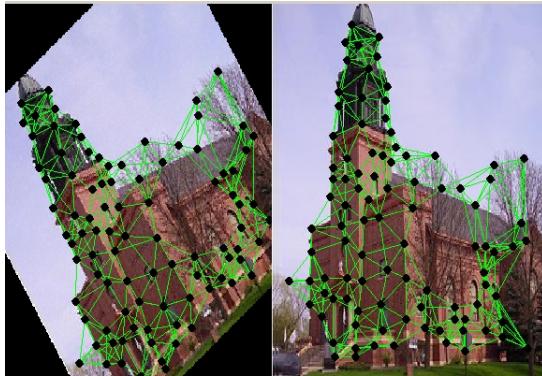
(e) Matching score on the Higher Level



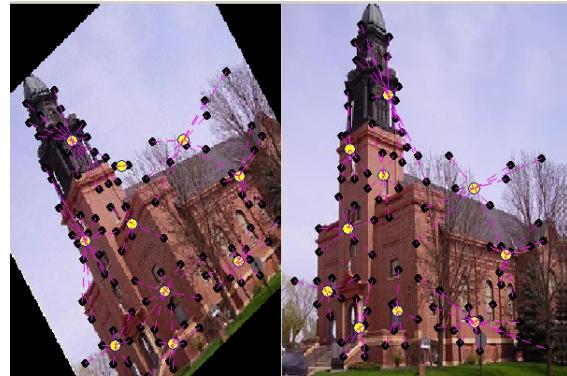
(f) Matching score and accuracy on the Lower Level

Figure 1: Matching of the same images, rotation angle $\frac{\pi}{10}$

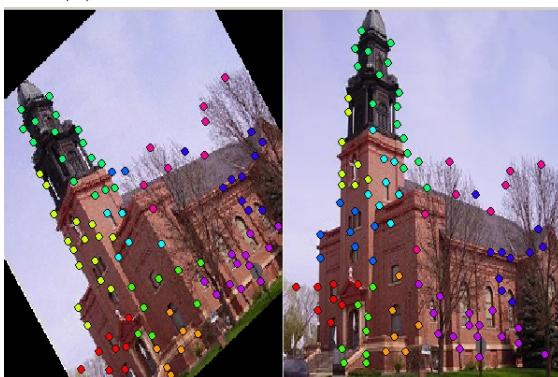
1.1.3 Example 3



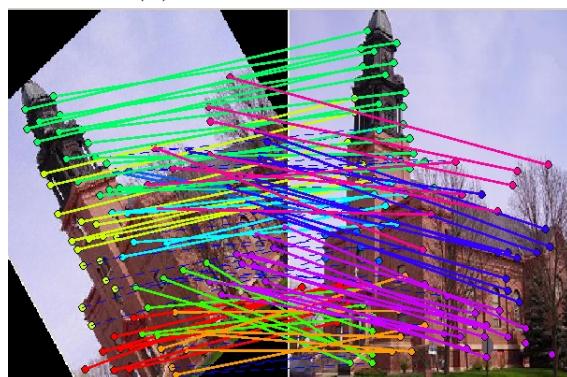
(a) Initial graphs on the lower level



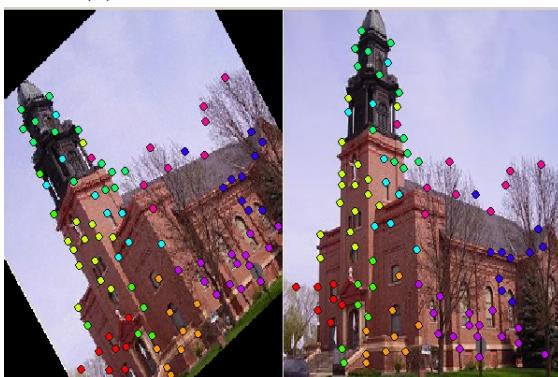
(b) Initial anchor graphs



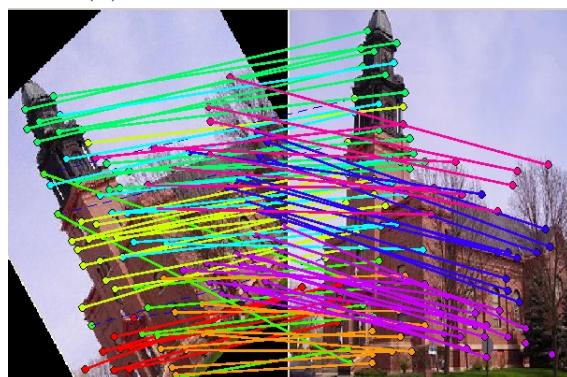
(c) Iteration 1: Graph Partition



(d) Iteration 1: Graph Matching



(e) Iteration 12: Graph Partition



(f) Iteration 12: Graph Matching

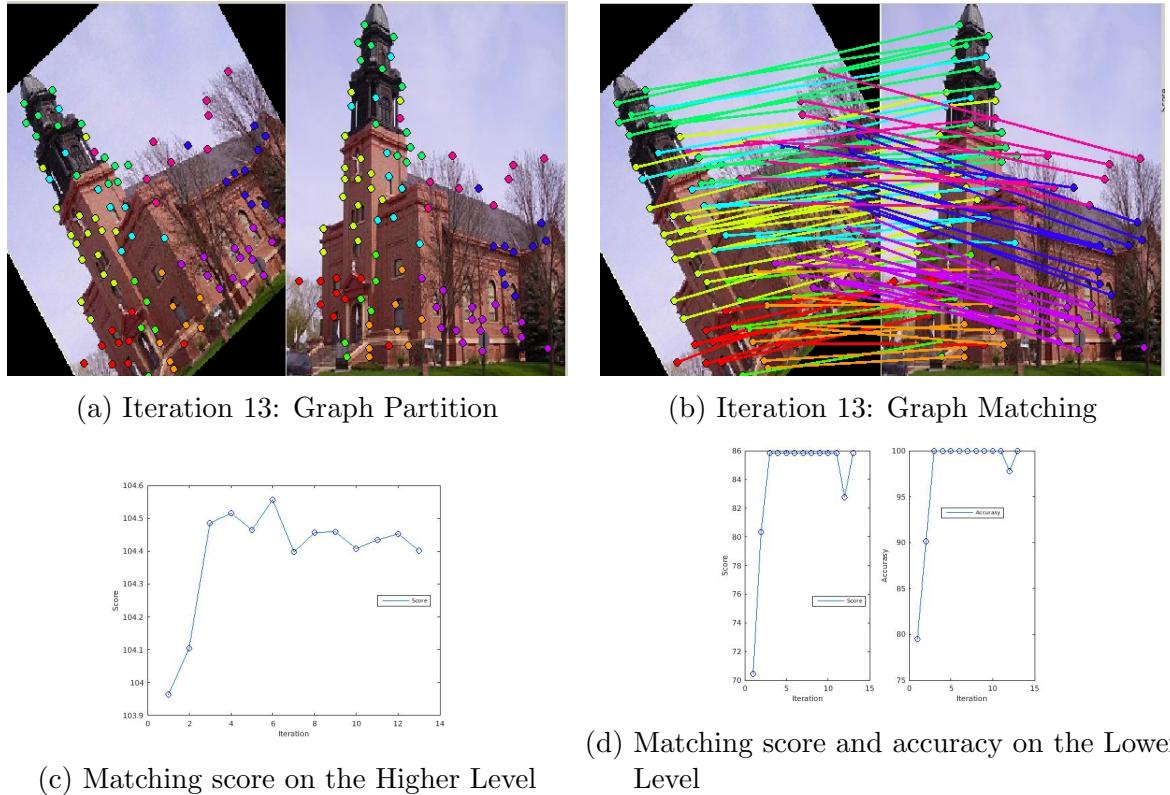


Figure 3: Matching of the same images, rotation angle $\frac{\pi}{5}$