

TOP 3 Detector/Descriptor combinations

The table in “results_compressed.csv” shows the average and max number of matches and total keypoint detection and description time for all the detector/descriptor combinations. The average for each combination is taken over 10 images.

Looking at table values, the TOP 3 detector/descriptor combinations are:

- 1) FAST, BRIEF
- 2) FAST, ORB
- 3) FAST, BRISK

This is because if we compare them with the combinations that give the same number of keypoint matches, for example (ShiTomasi, ORB) and (FAST, SIFT), our top 3 combinations outperform these combinations by a factor of 6-15 times in terms of computation time. Also, compared to all combinations, the top 3 candidates give the best trade-off between computation time and number of keypoint matches.