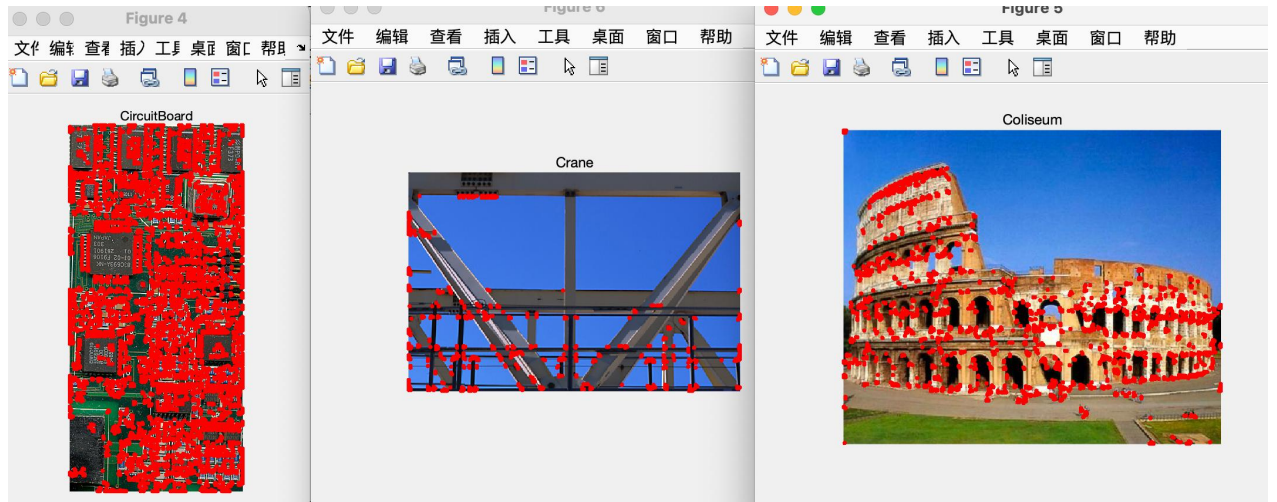


Mengyang Li Lab4 report

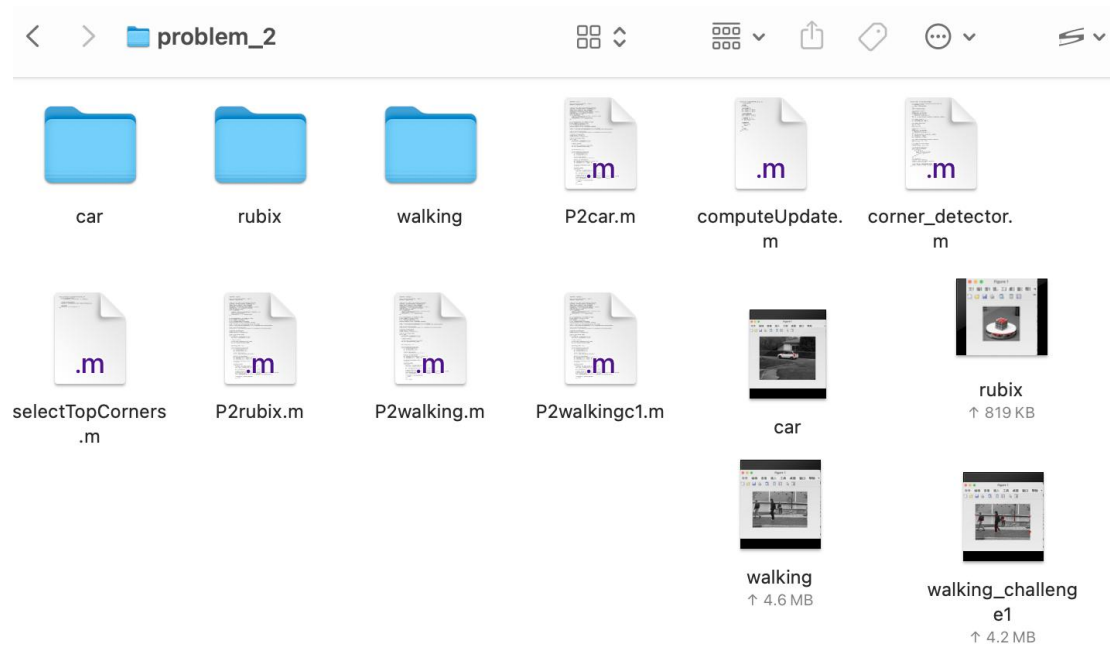
P1



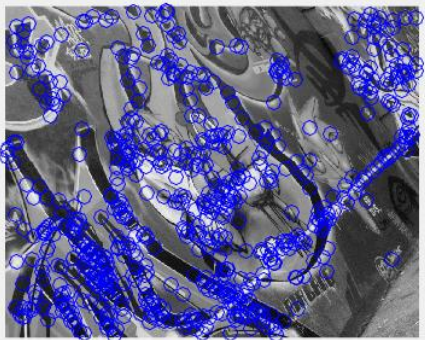
P2

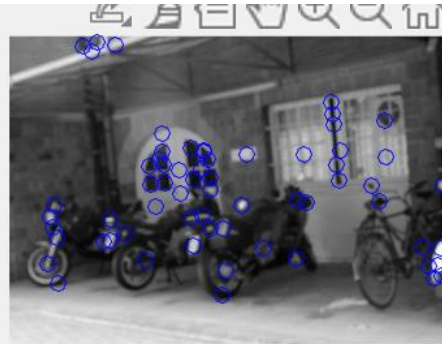
I have put the result(4 videos) in the folder:

I did the challenge 1.



P3

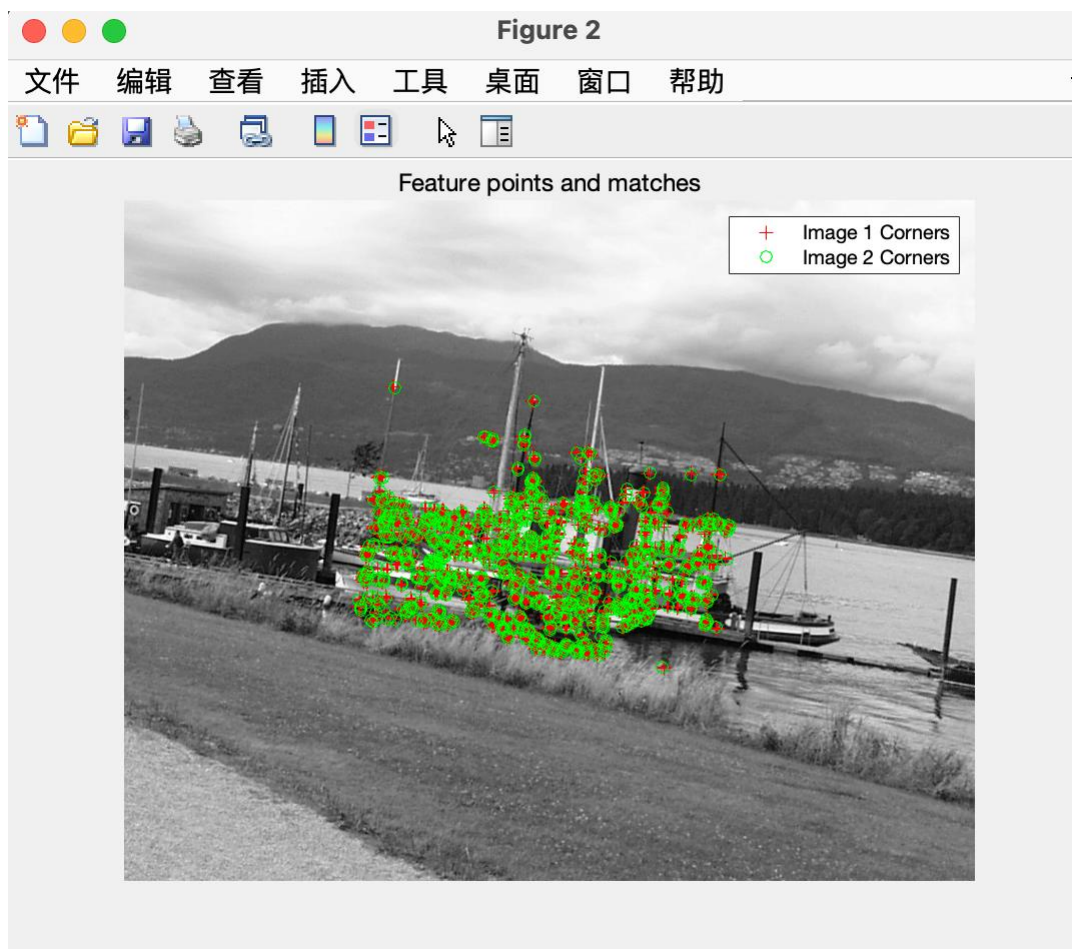




P4

For the 1st set, corner detector is better.

By corner detector. Repeatability rate: 0.440297

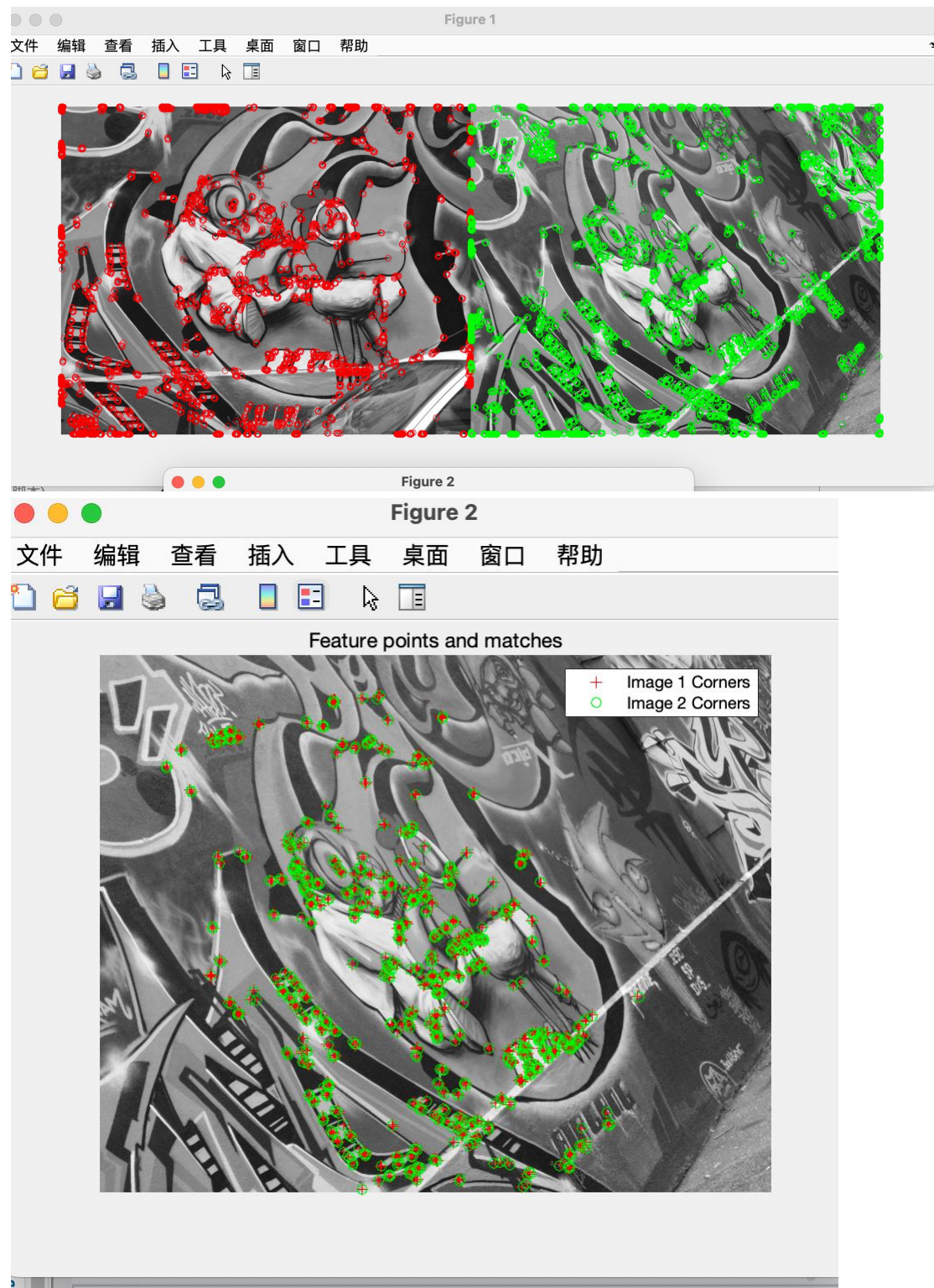


By SIFT. Repeatability rate: 0.174312

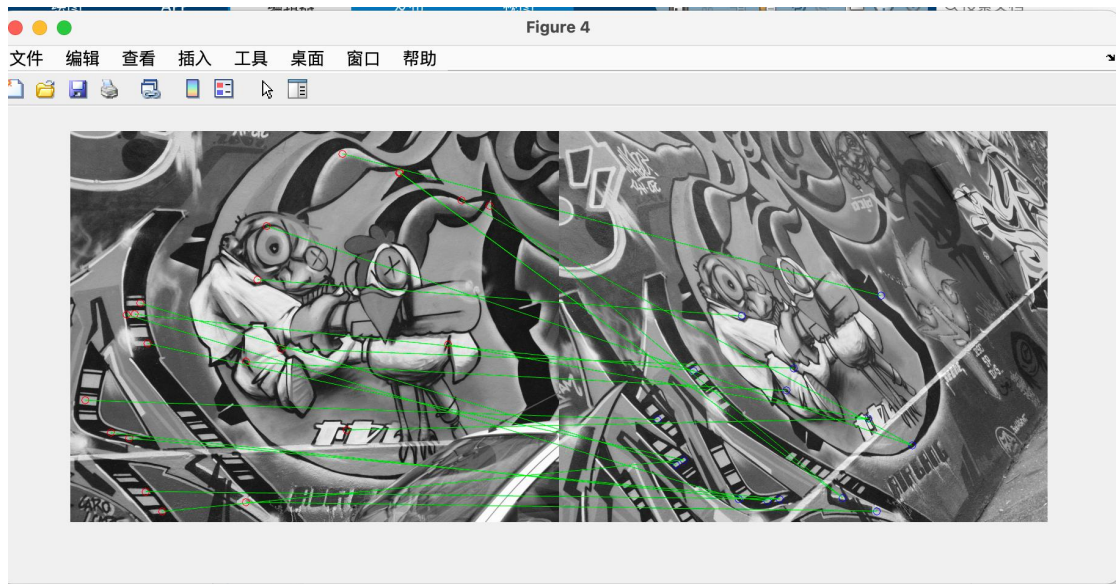


For the 2nd set, corner detector is better.

By corner detector. Repeatability rate: 0.404561

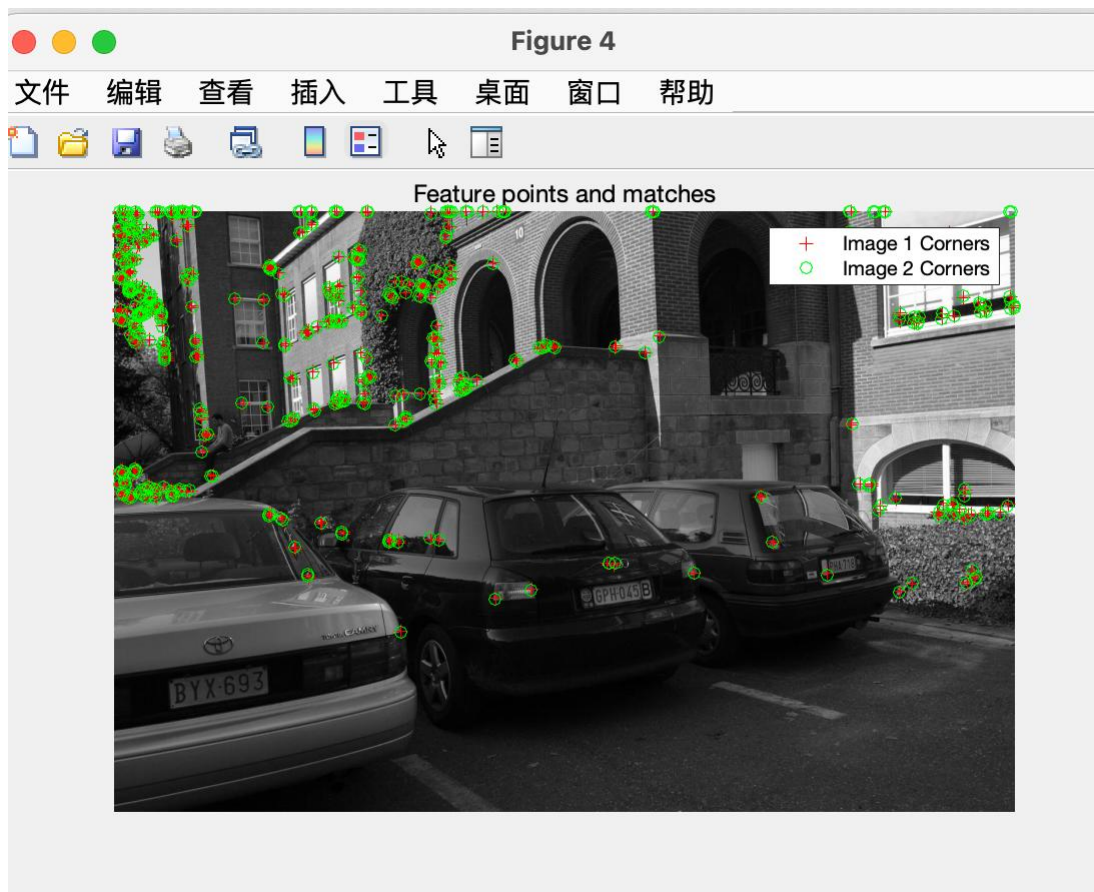


By SIFT. Repeatability rate: 0.086154

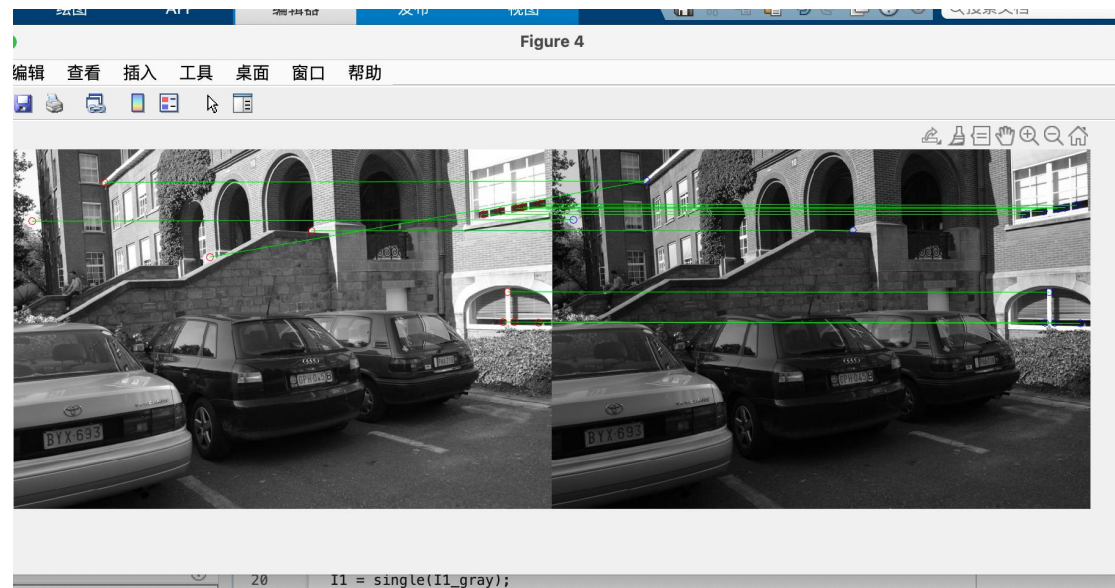


For the 3rd set, SIFT is better.

By corner detector. Repeatability rate: 0.273336

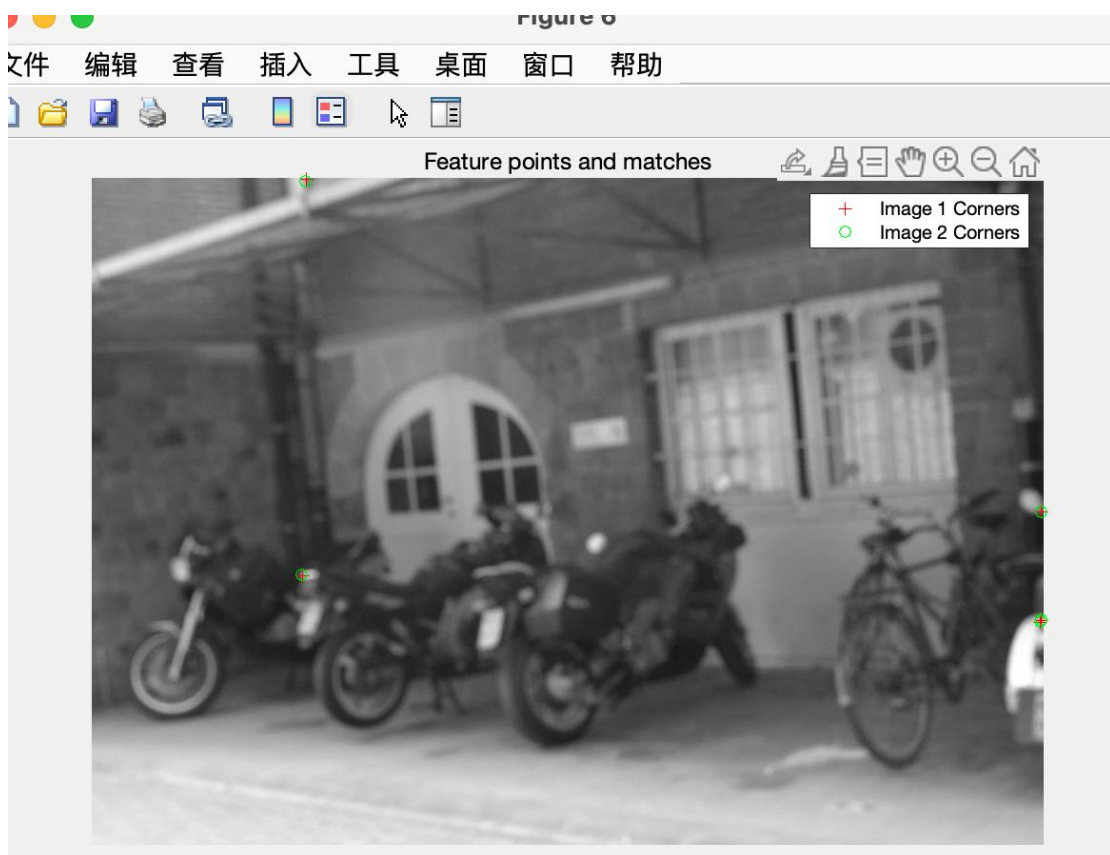
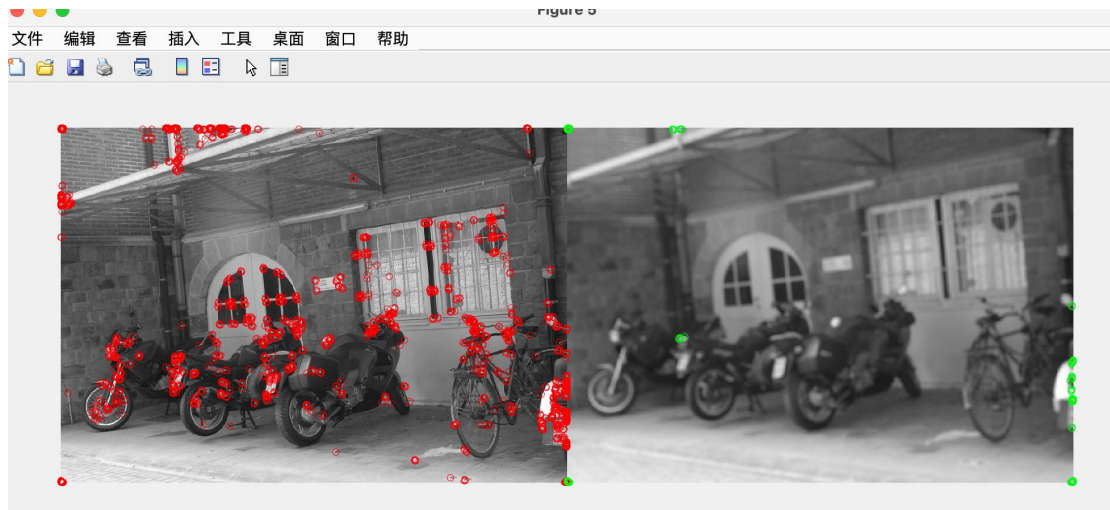


By SIFT. Repeatability rate: 0.75

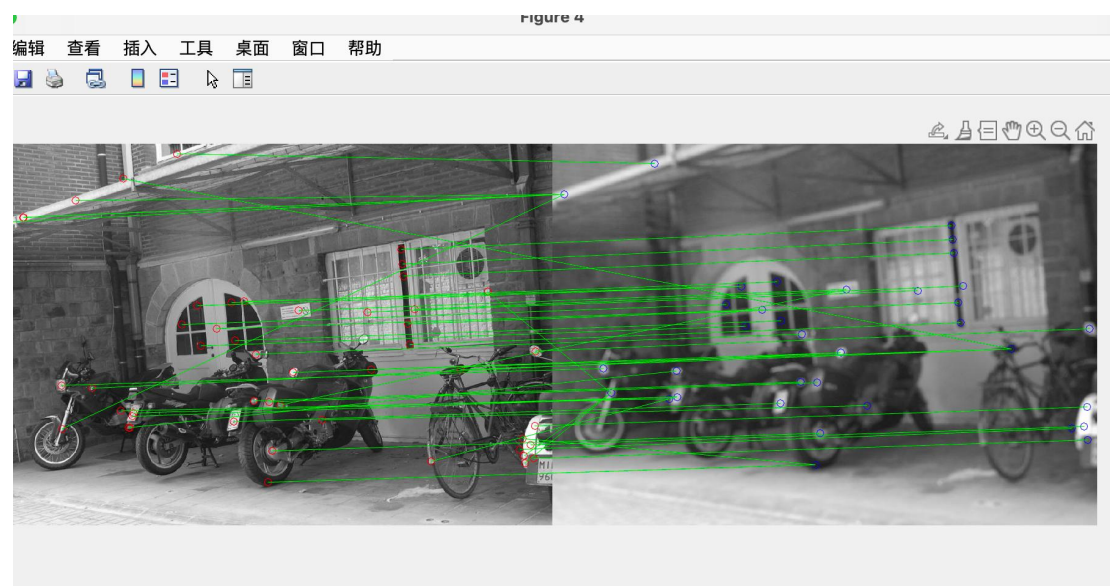


For the 4th set, SIFT is better.

By corner detector. Repeatability rate: 0.003840



By SIFT. Repeatability rate: 0.311321



P5

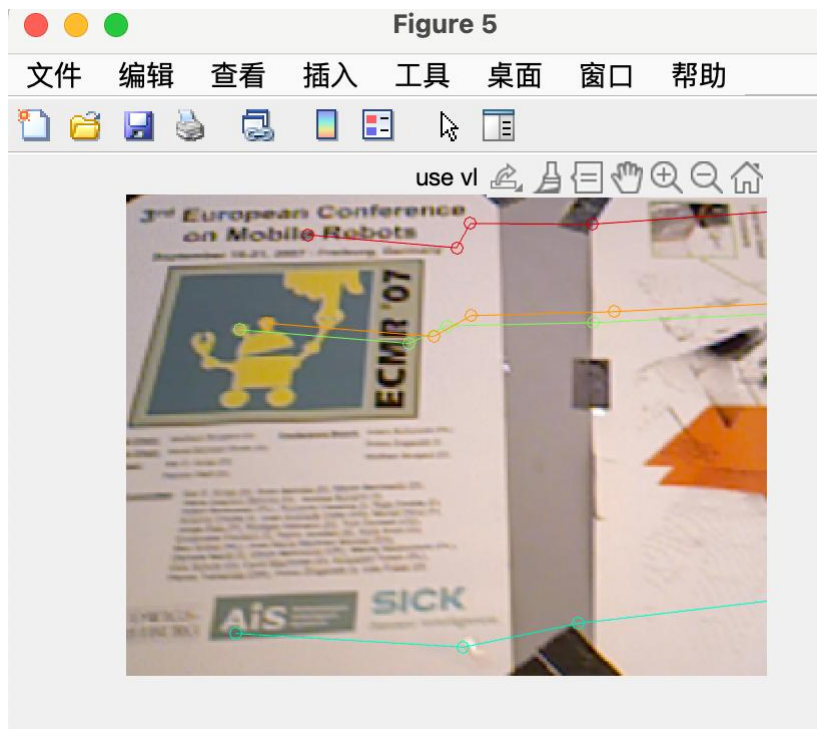
Which feature is easier to survive from all five images? Which feature generates more feature tracks?

Small translations or rotations are easier to survive.

Can you tell how the camera is moving based on the feature tracks?

From right to left.

Output by vl:



Output by corner detector:

