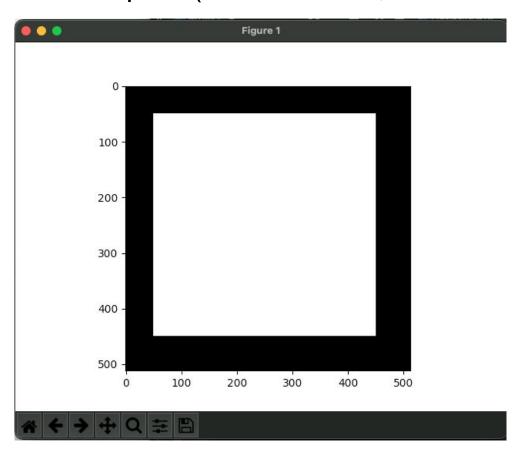
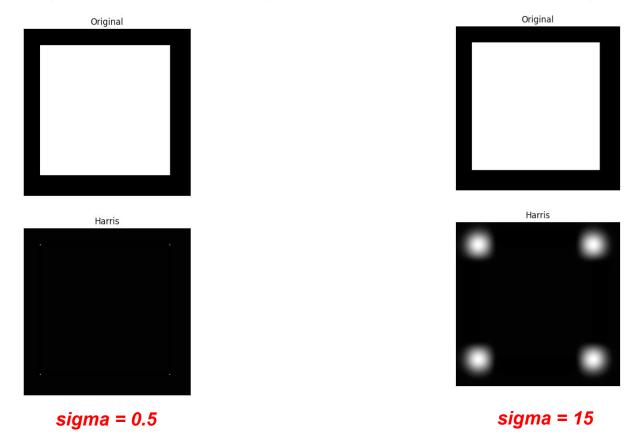
Lec_ex09: Observations & Thoughts by Yifan Wang

- When sigma is small, Harris Keypoints detected are more accurate to the actual interest points (at least in the scale of my image).
- When sigma is larger, Harris Keypoints detected tend to move inward to the center of square.
- For SIFT Keypoints, it seems identical for both sigma for my image. I don't know if that's correct or why that is the case.

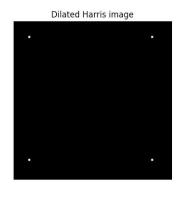
Original Synthetic Square(200 in middle, 100 in background):



Show the gray scale image and the Harris image

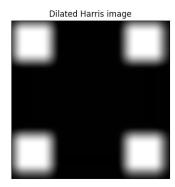


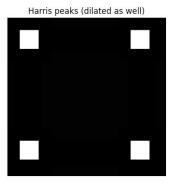
Comparing the dilated image to the Harris image will preserve only those locations that are peaks



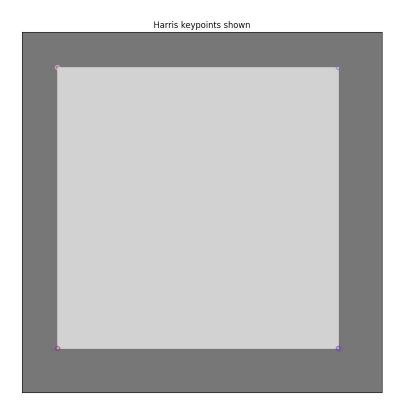
Harris peaks (dilated as well)
.

sigma = 0.5

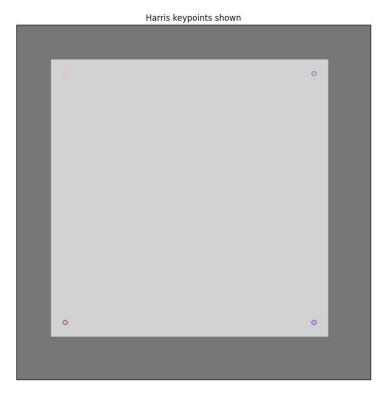




Display the Harris keypoints on the original image

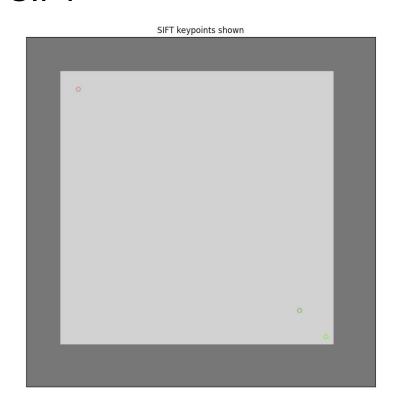






sigma = 15

SIFT





sigma = 0.5

sigma = 15