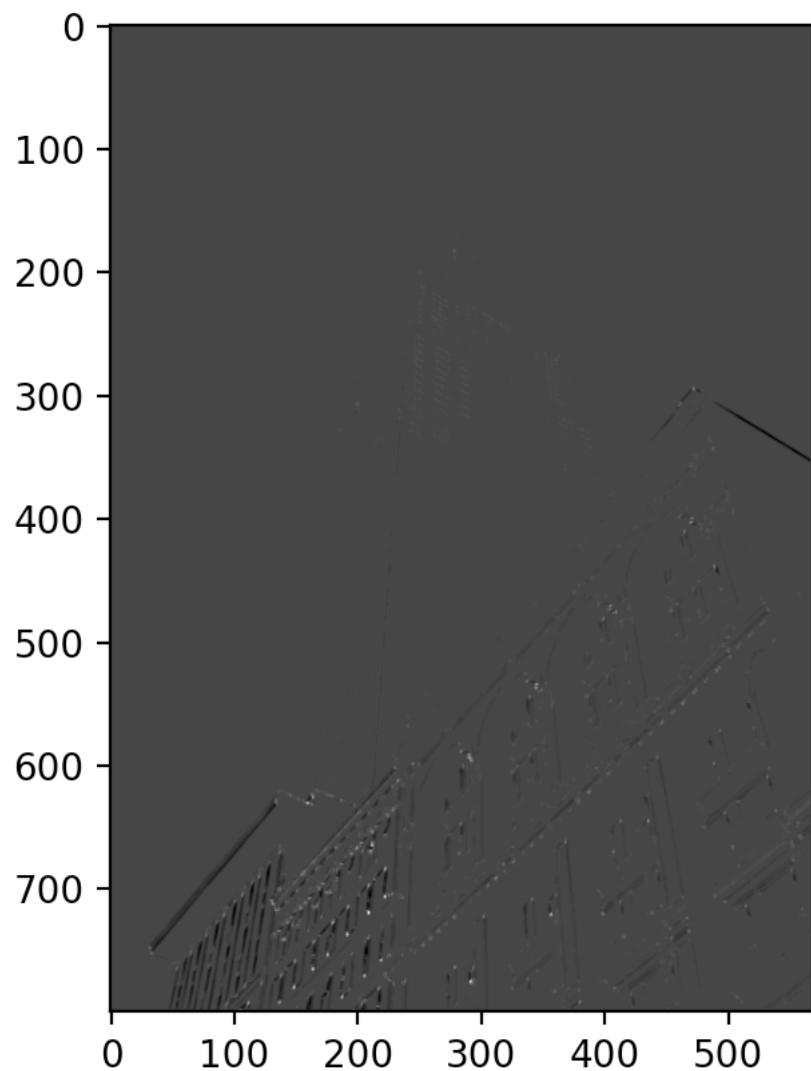
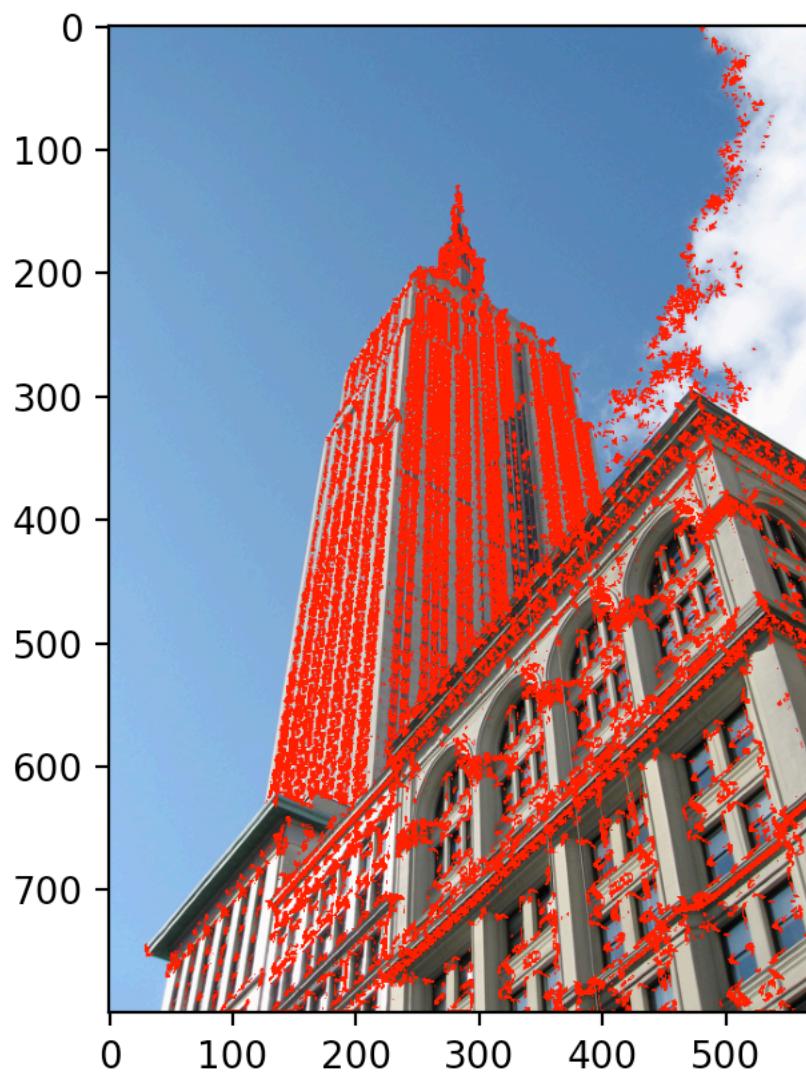


Task 3.1P

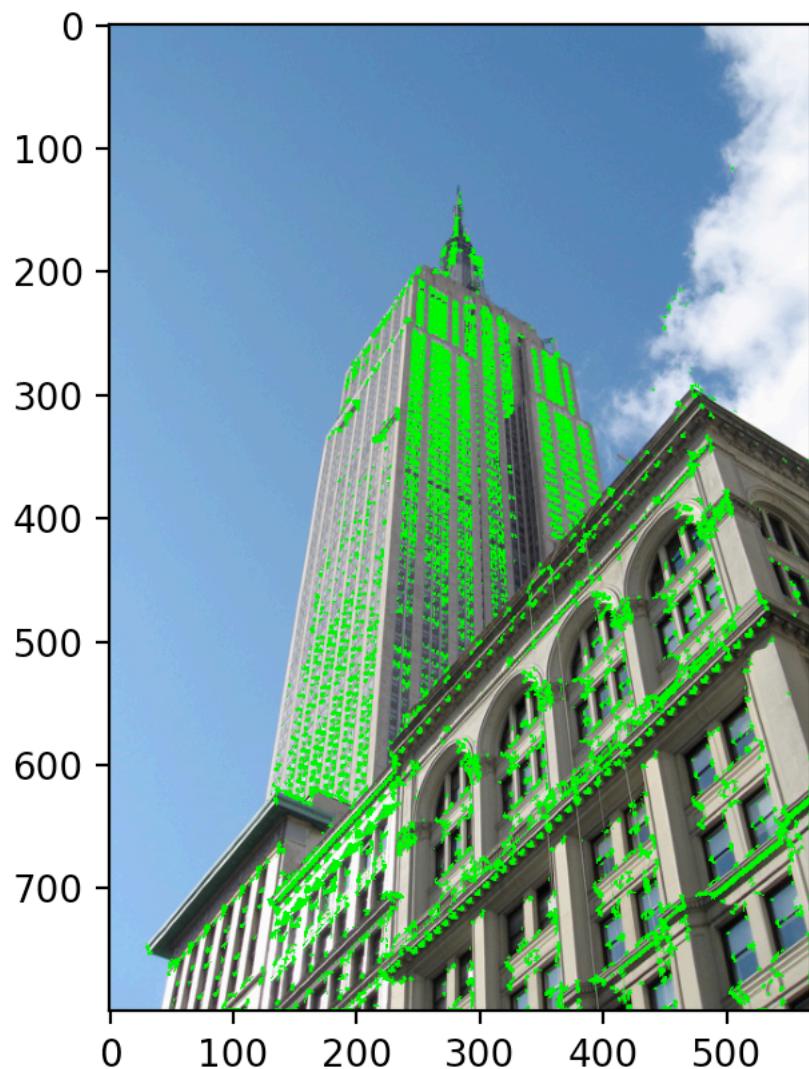
Harris_res_img



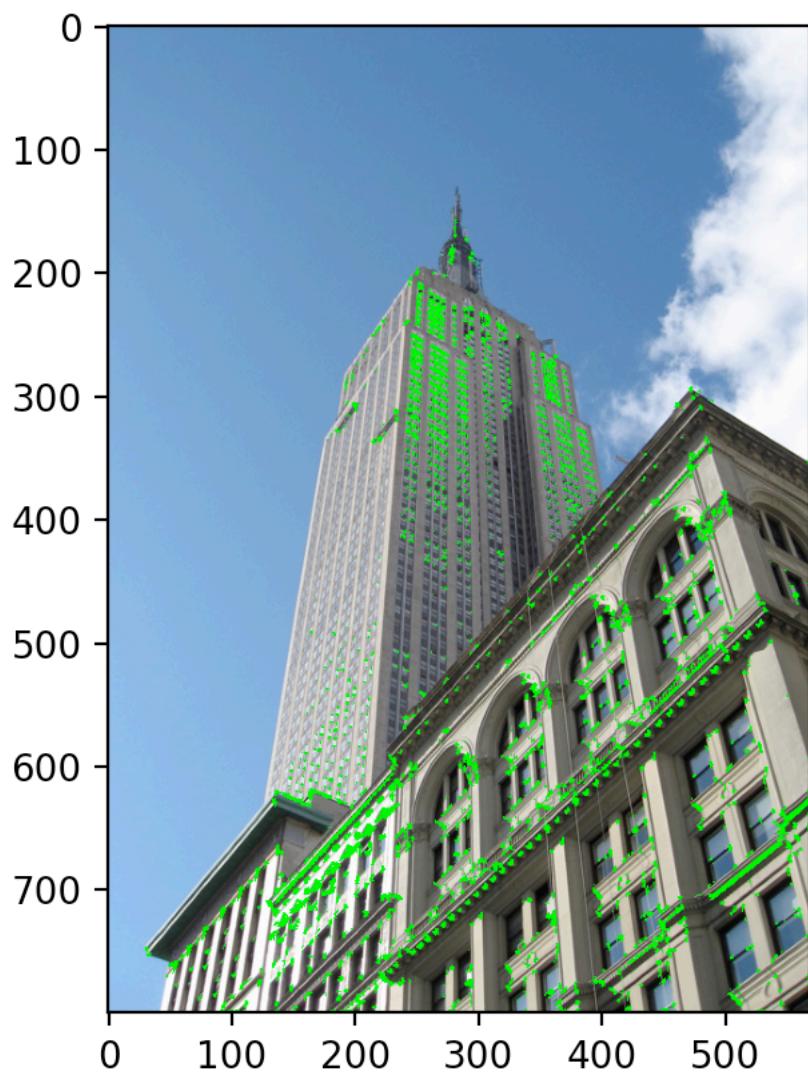
Harris_corner_detector_threshold_1000



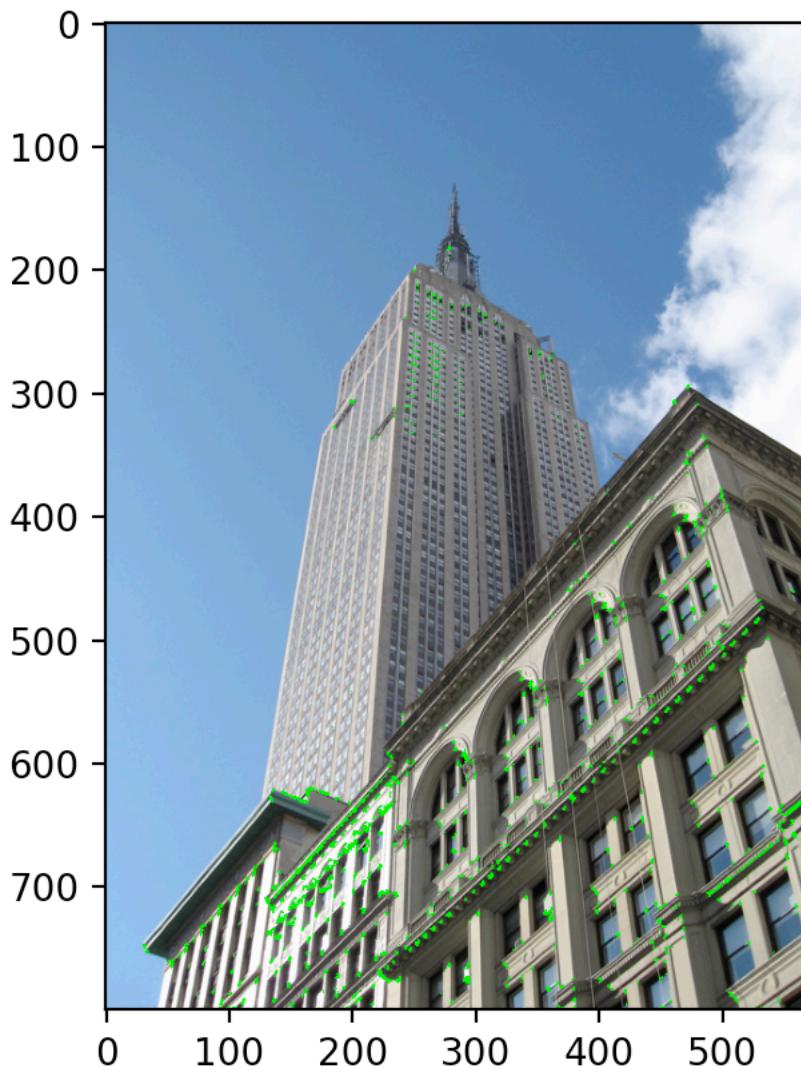
Harris_corner_detector_threshold_0.001%_max



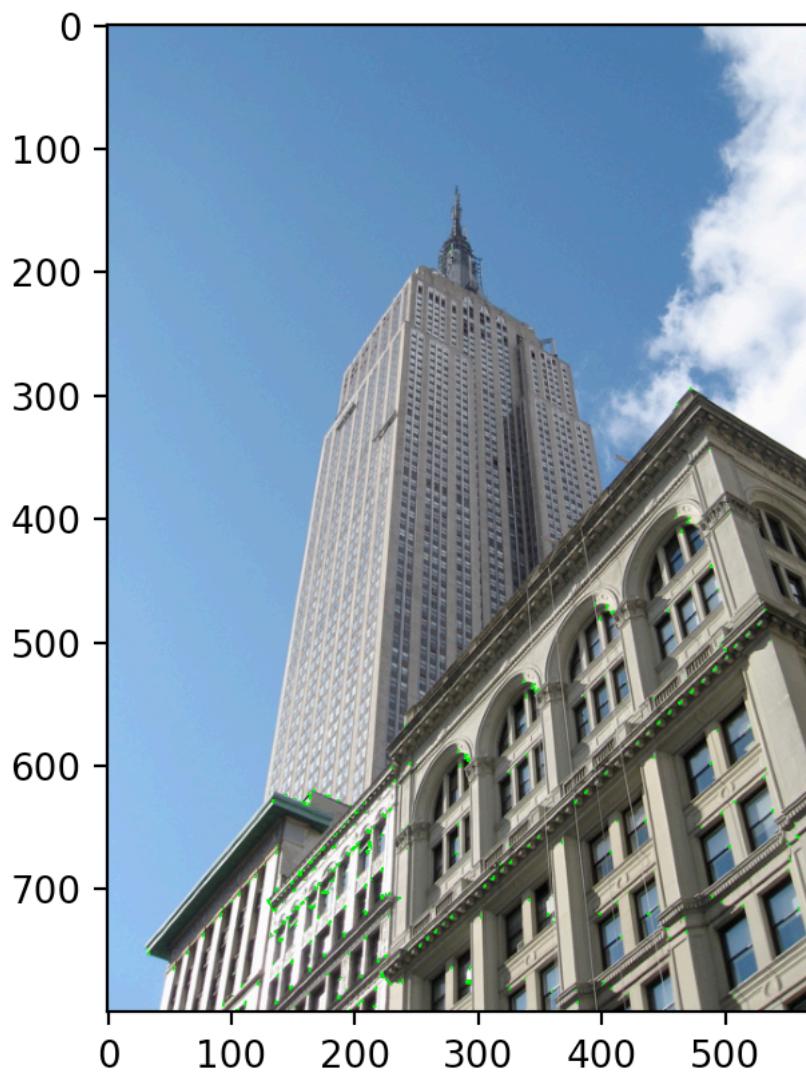
Harris_corner_detector_threshold_0.005%_max



Harris_corner_detector_threshold_0.02%_max

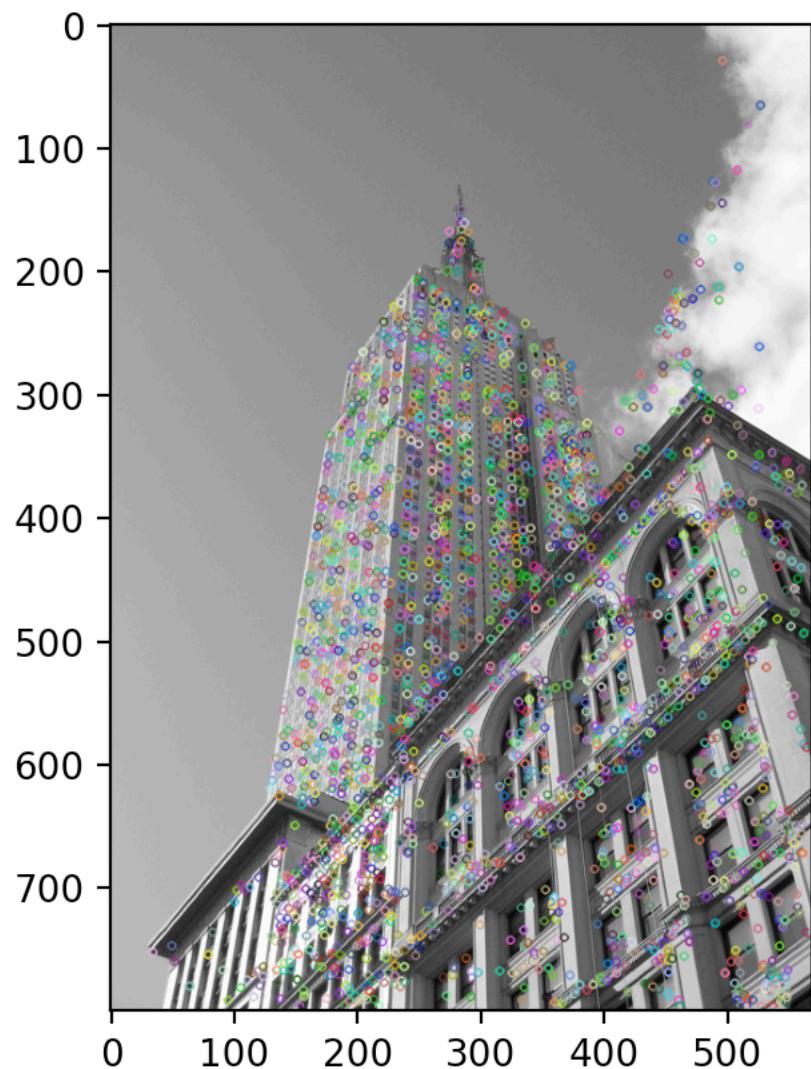


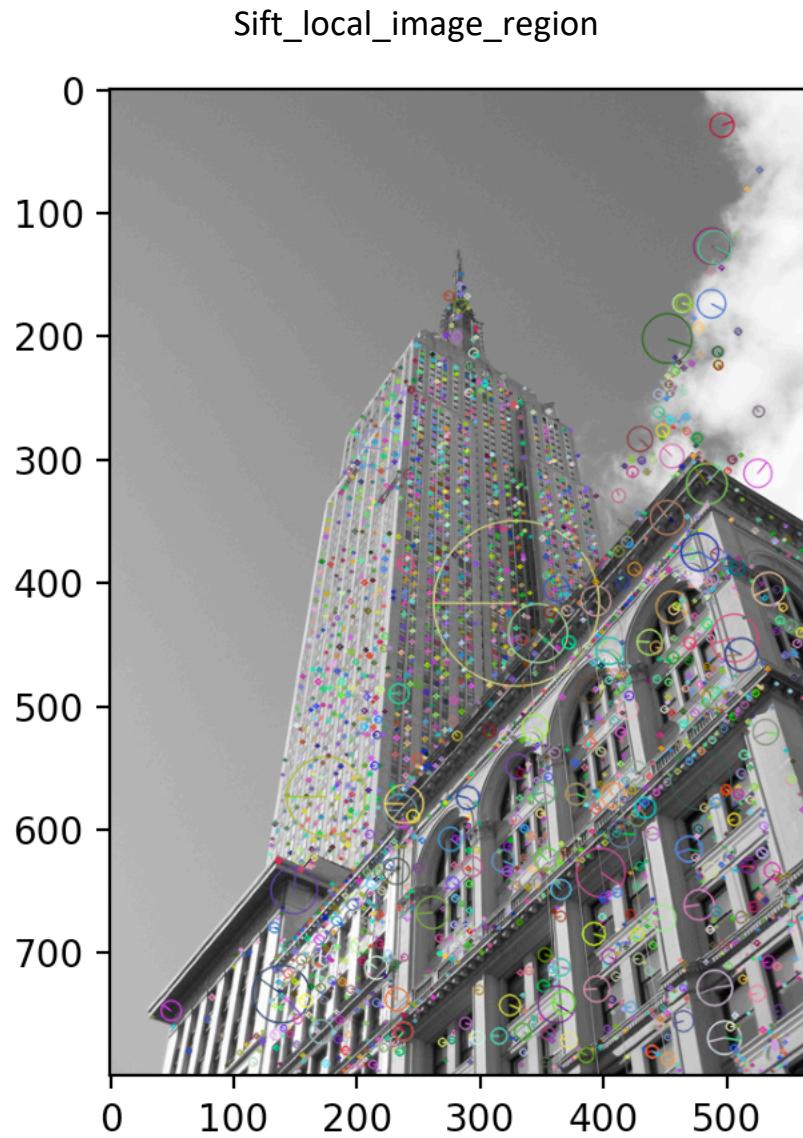
Harris_corner_detector_threshold_0.07%_max



As seen from the images above, as the threshold increase, the number of detected pixels decreased.

Sift_detector





des_vs_des_45 is 399.8762308514973

des_vs_des_zoomedout is 401.33651715237676

des_vs_des_another is 433.89630097524457

When comparing the “des_vs_des_45” and “des_vs_des_zoomedout”, their values are very close. This shows that “des_45” and “des_zoomedout” with respect to “des” are very similar. This is proven to be true as “des_45” is the rotation of “des” and “des_zoomedout” is the zoomed out of “des”. However, for “des_vs_des_another”, the value difference is larger as “des_another” is a different image.