% Compute corner detection with MATLAB,

% and compare with the outcome of problem (2).

% read corner patch (5\*5)

corner\_patch = imread('./images/corner\_patch.jpg');

% visualize edge patch

figure;

imshow(corner\_patch, 'InitialMagnification', 3000);

title('corner patch')

% corner detection

corners = detectHarrisFeatures(corner\_patch, "FilterSize", 3)

% visualize corner

imshow(corner\_patch, 'InitialMagnification', 3000);

hold on;

plot(corners.selectStrongest(2))

title('Corner detected')