I = imread("hw1-3.jpg");

imshow(I);

% Get image coordinates

[x y] = ginput(2)

% Get focal length of OAK-D Lite from DepthAI

f = 1.657423e+03;

% Distance(camera, box)

z0 = 644;

% Calculate real world coordinates from image coordinates

x0 = z0 \* (x(1)/f)

x1 = z0 \* (x(2)/f)

y0 = z0 \* (y(1)/f)

y1 = z0 \* (y(2)/f)

% Print out the distance of object

distance = sqrt((x1-x0)^2 + (y1-y0)^2)