

CS 663 : Assignment-3

Q1) Find Corners in a given image using Harris Corner detection algorithm

Kernel Shape:-- (3,3)

Sigma value :-- 0.3

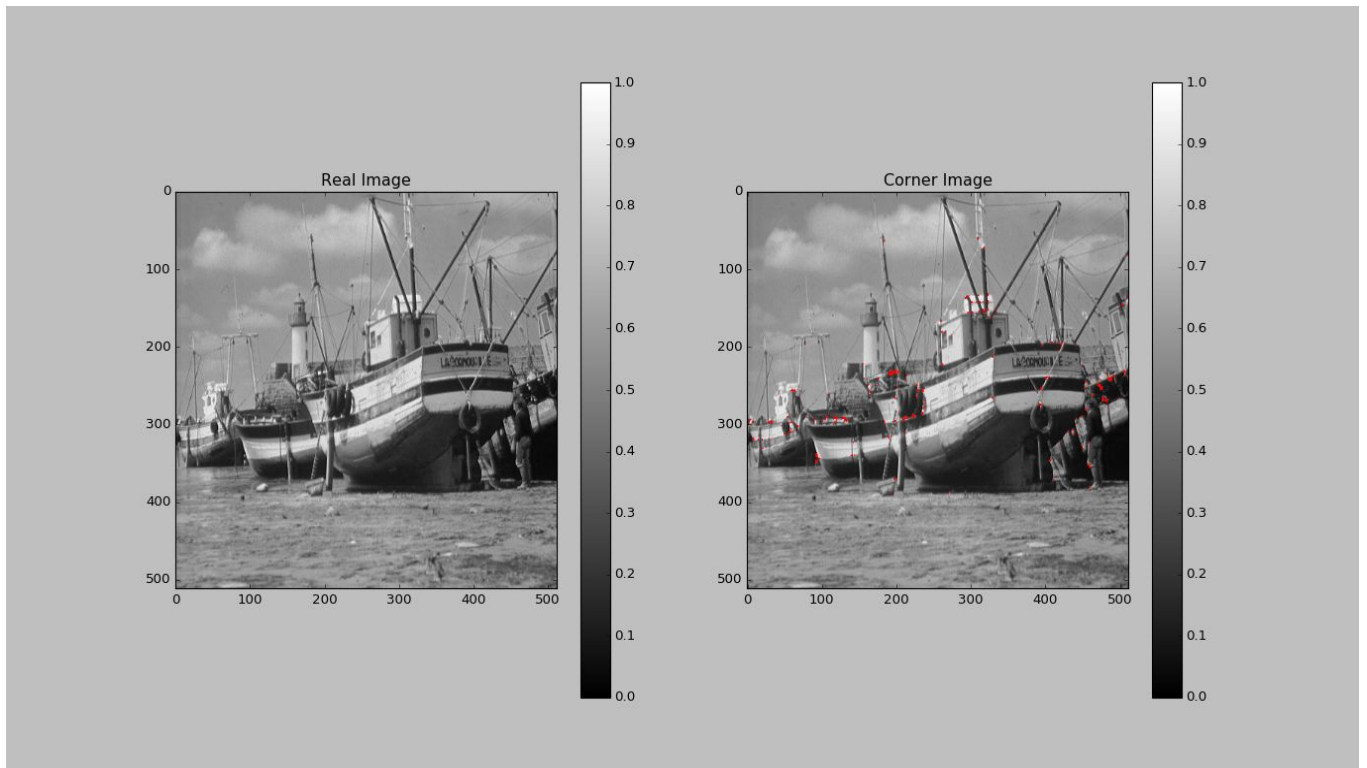
Threshold:-- 0.3

k= 0.01

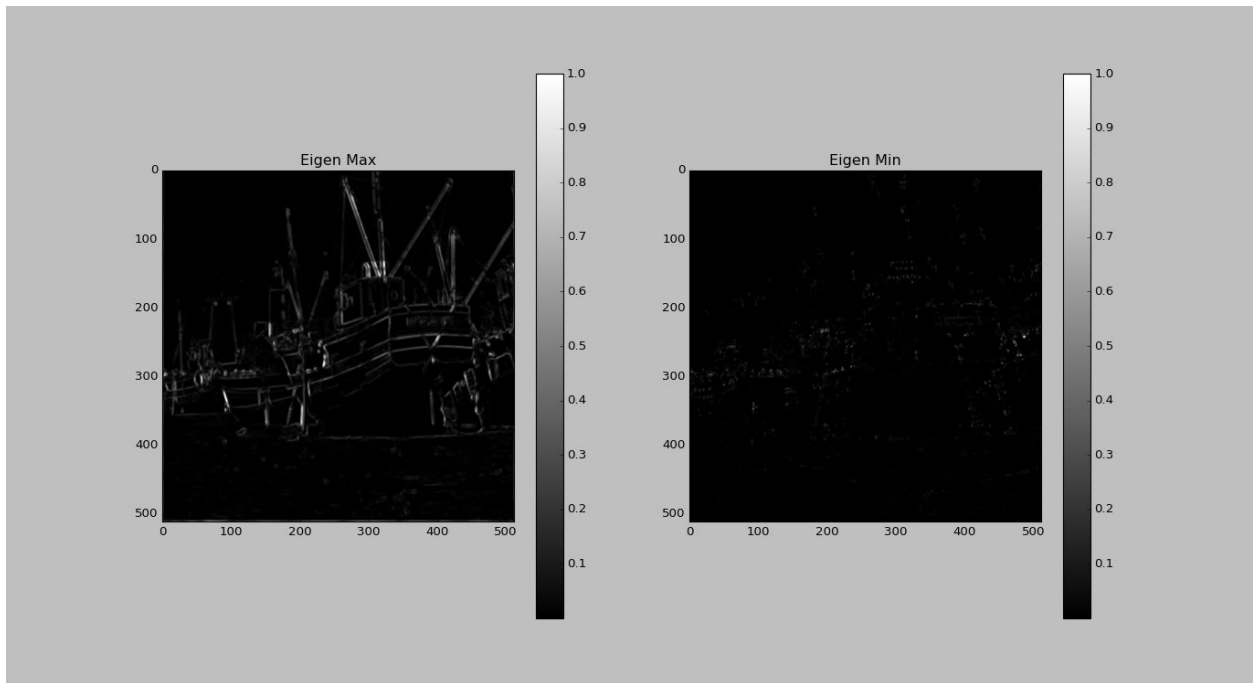
Outputs:--

All the output images are stored in images directory and number of corners with corner lists is printed on terminal

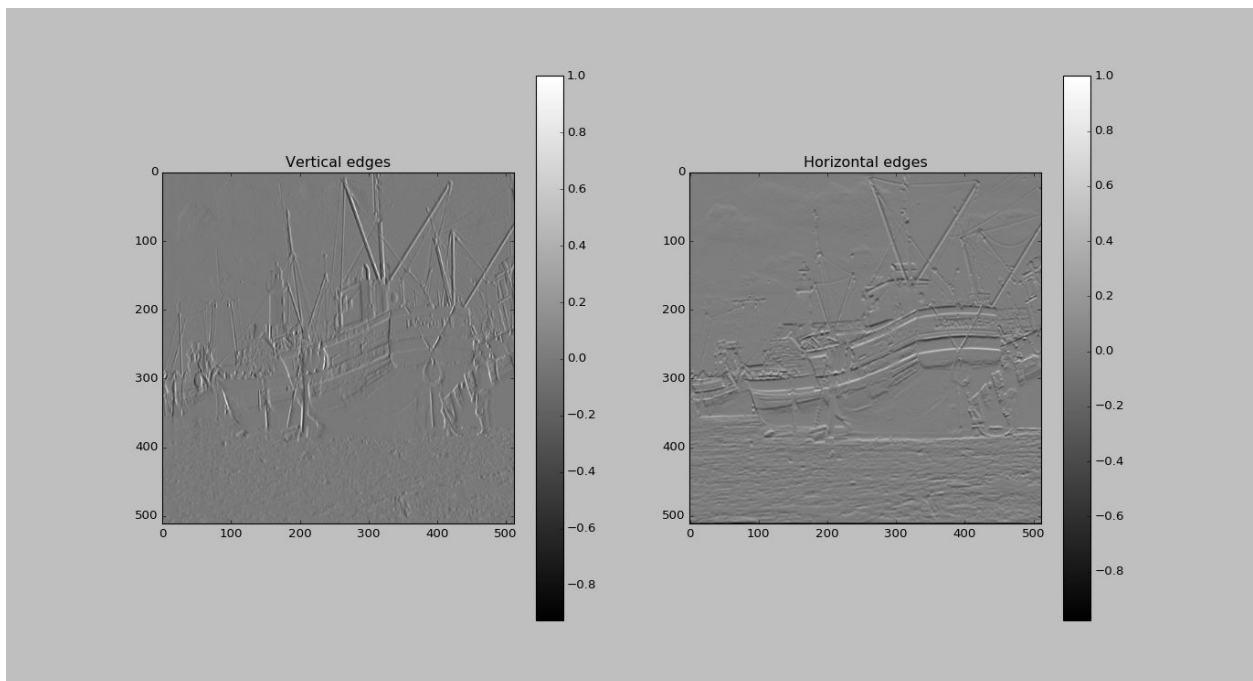
Real Image and Corner Image



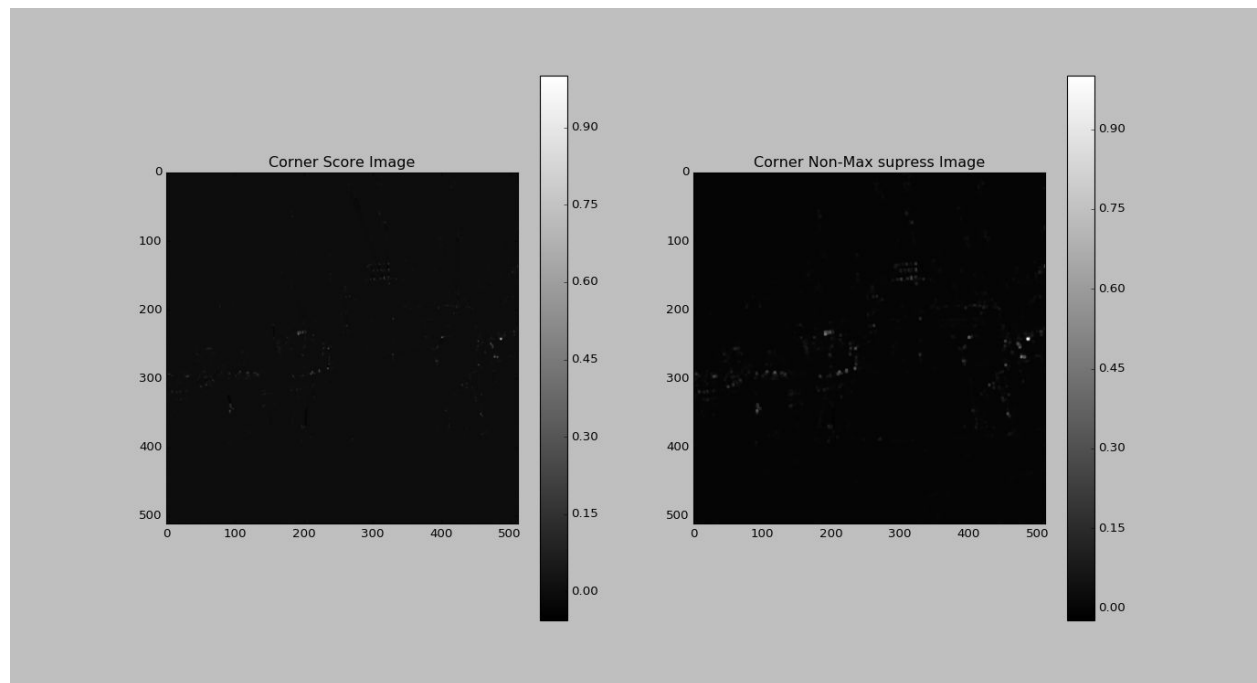
Max and Min Eigen Values



Vertical and horizontal edges



Non-Max suppression



Output Images

Corner Image:--



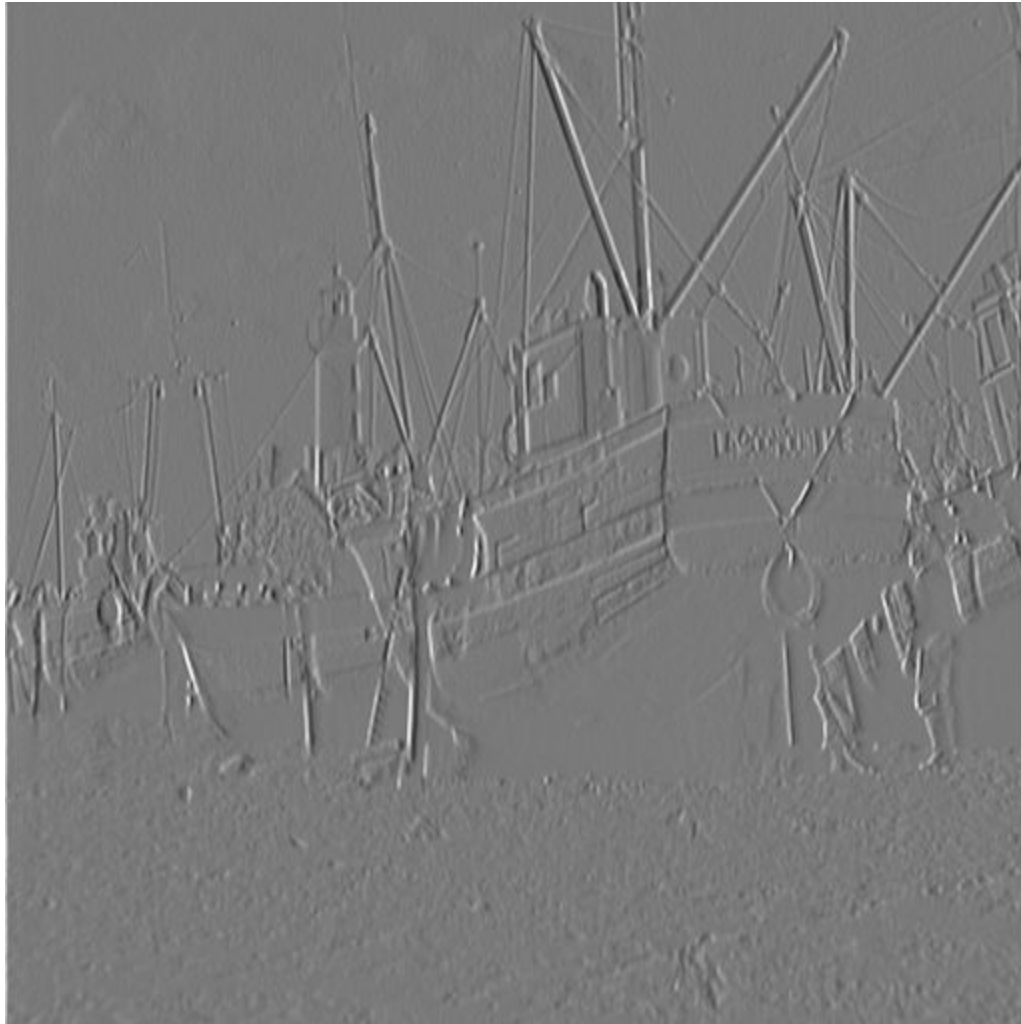
Corner Image



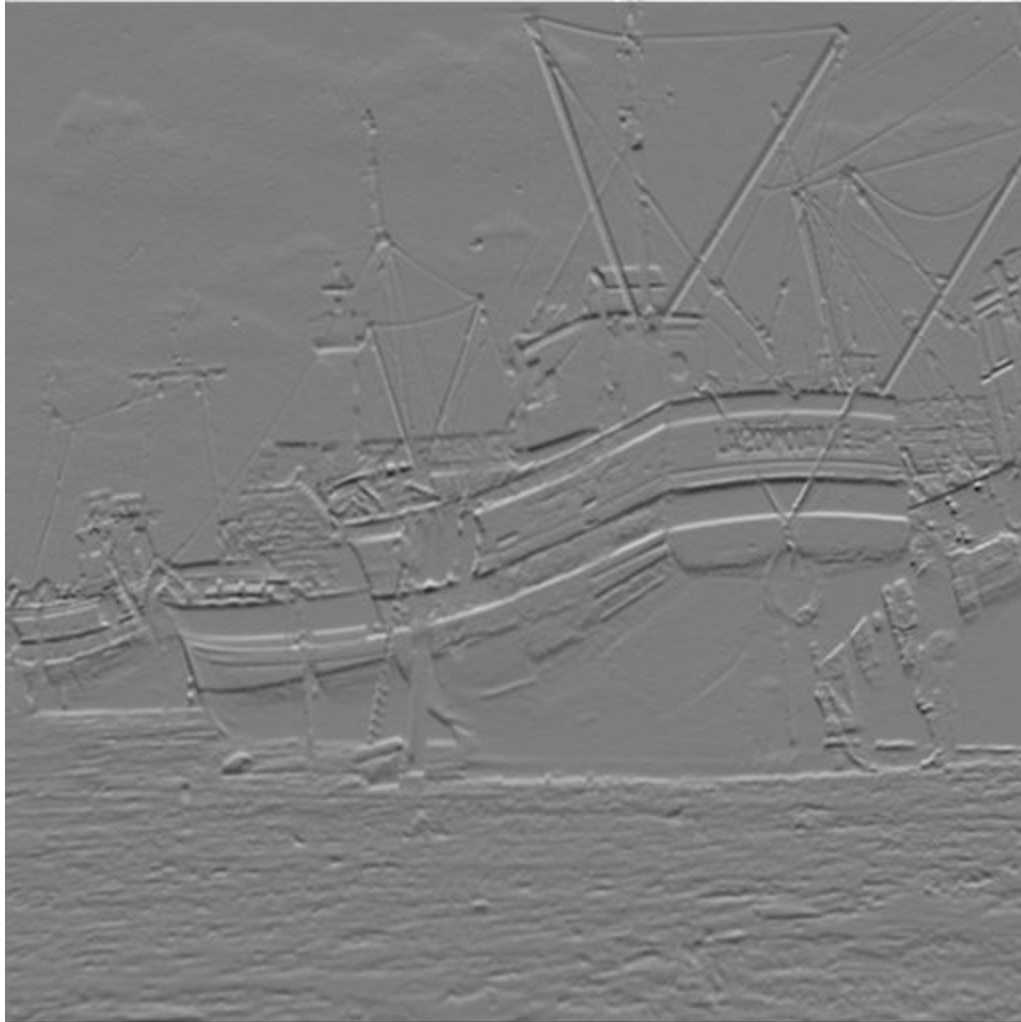
Eigen-Min Image



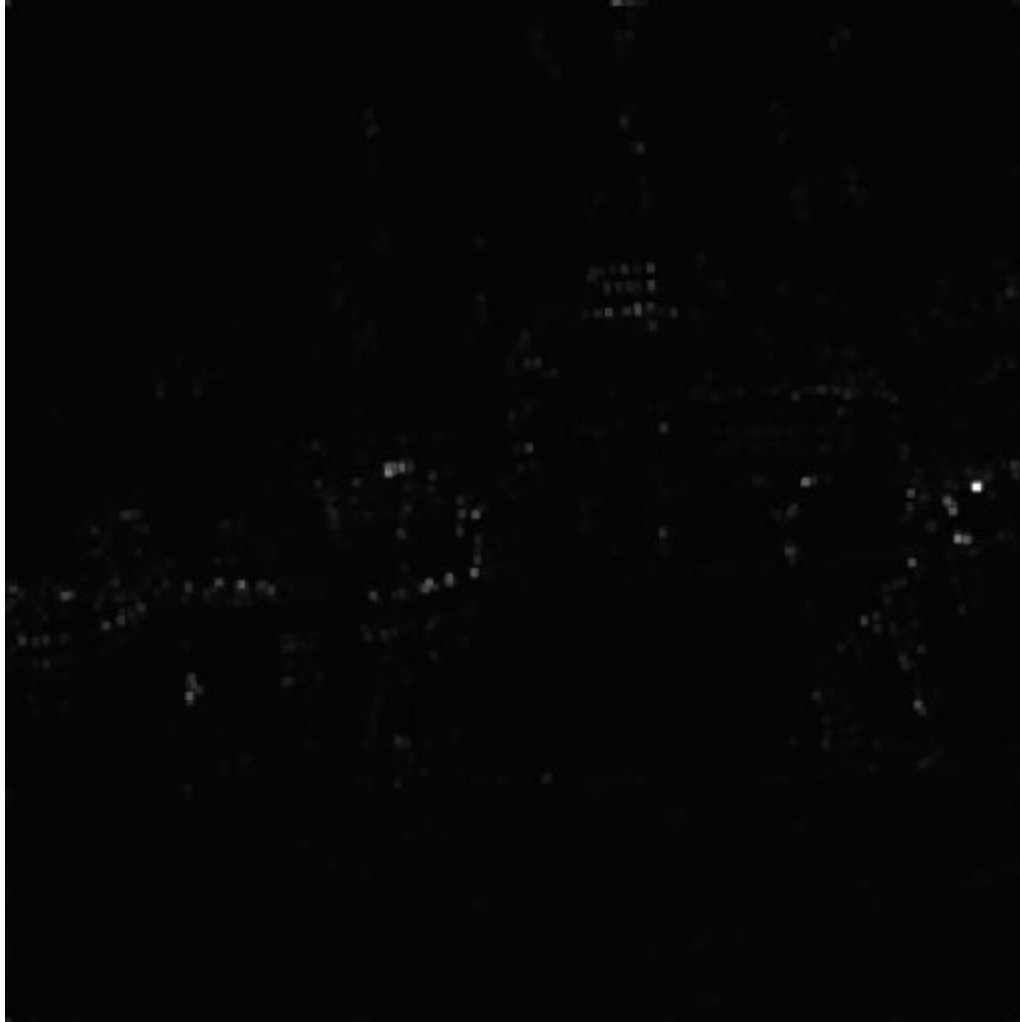
Eigen-Max Image



Vertical Edges in boat



Horizontal Edges



Corner Non-Max suppression Image