

# Mean Shift Segmentation

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*Due Date: 08/09/2019*

## Q1: Harris Corner Detection



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## 1. Images

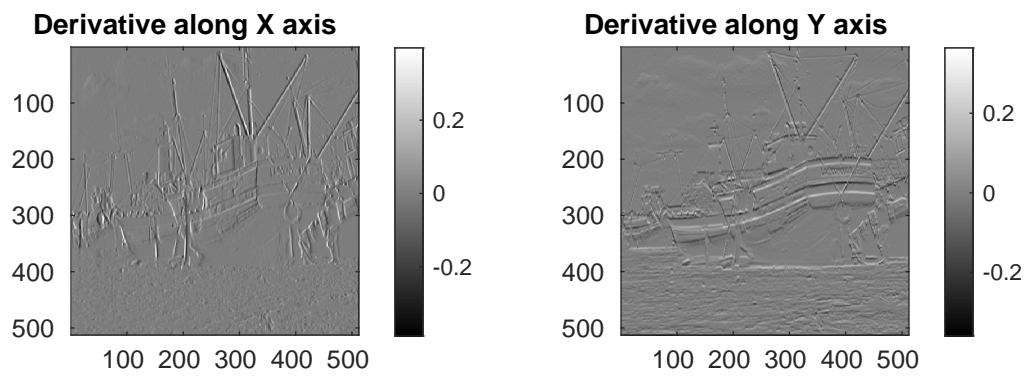


Fig 1: Derivatives of boat.mat along X and Y axes

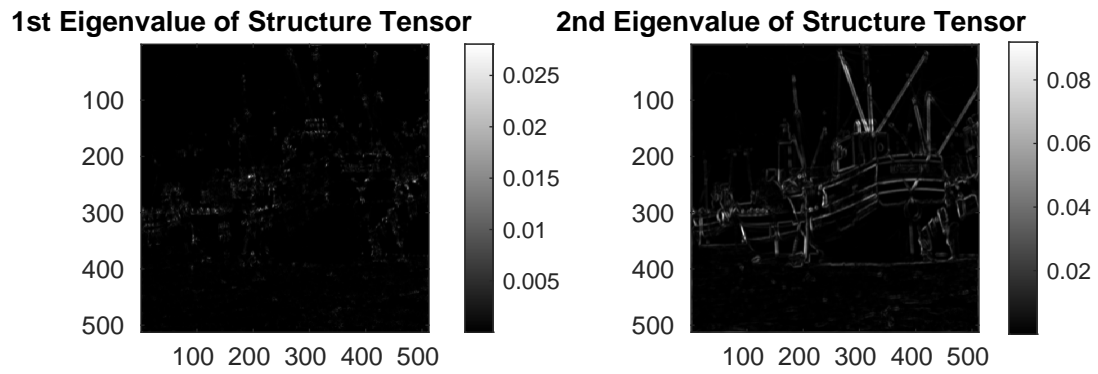


Fig 2: Eigenvalues of Structure Tensor for boat.mat

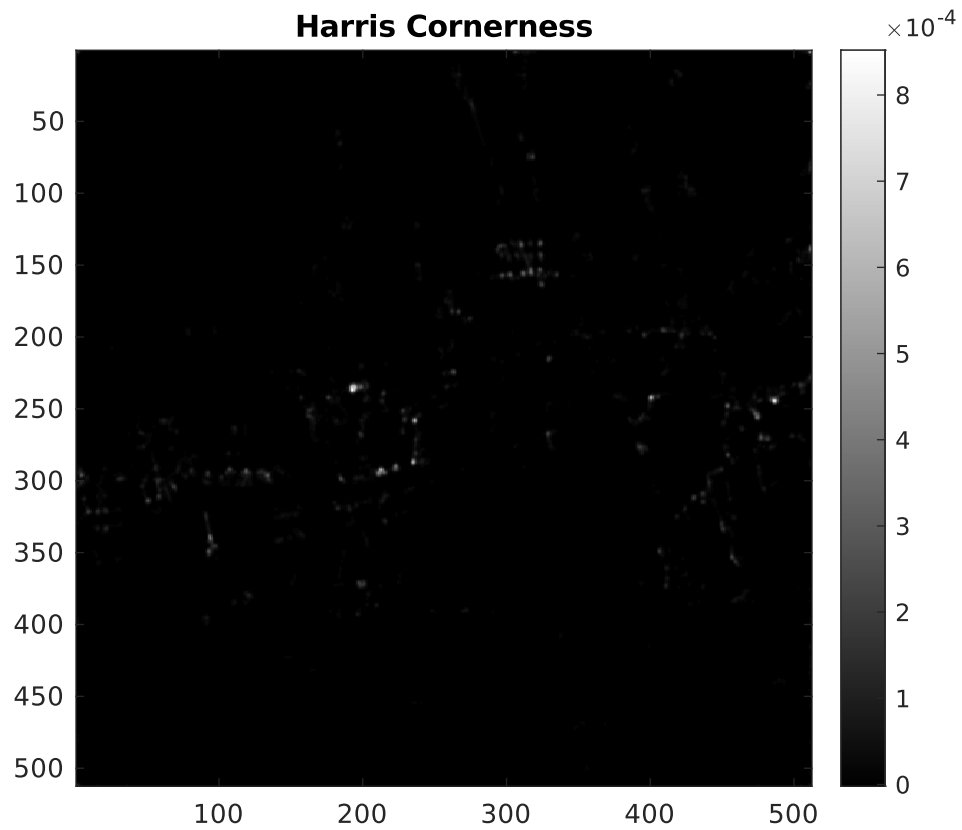


Fig 3: Corners detected using Harris Corner Detection Algorithm

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## 2. Parameters Used:

- Sigma for 1st Gaussian smoothing: 0.66667
- Sigma for 1st Gaussian smoothing: 1.2
- Constant 'k' in the corneriness measure: 0.001