CMSC 630 Project part 2

Image segmentation

Project deadline: 21st April 2019 11:59pm UTC-05:00

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Image segmentation

- 1. Implement one selected edge detection algorithm.
- 2. Implement dilation and erosion operators.
- 3. Apply segmentation into two groups foreground (cells) and background (everything else).
- 4. Implement two segmentation techniques (they must be implemented by you, not API calls):
- + histogram thresholding
- + histogram clustering (basic approach using two clusters and k-means)
- 5. Present example results before and after edge detection / dilation / erosion /segmentation for each respective class of cells (seven in total)