Project P3: Project Third Step

CS 6640
Fall 2020

Assigned: 15 September 2020

Due: 3 November 2020 (handin all work on CADE)

Project

Discuss how techniques in Chapters 7 and 8 of the text can be applied to the problem, what functions were developed to try them out, and the results of using them. Report experiments performed to explore possible approaches. The work will be evaluated based on the thoughtfulness of the approach and the care with which it is applied. Issues to be considered include the exploitation of shape or geometry and mathematical morphology techniques to the project.

P3 Handin: Handin (on the CADE):

- Report (PDF)
- Matlab Code
- Those working on the Bottle Inspection project must submit a .mat file with a data structure called *bottle_GT* which is a 141x8 logical array where each row, r, corresponds to the test image *image*$< r >$ in the data set, and the first 1 to 7 columns have a 1 if the image has defect 1 to 7 (as listed in the project description), and the eighth column has a 1 if the middle bottle is missing in the image.

Provide enough detail and everything necessary to duplicate your results.