

Homework #7

(Digital Image Processing)

Due 06/26/2020 (Friday) at midnight

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***Notice:** Due date is not 2 weeks later. It is last date for final examination period.

Topic: Image Segmentation and Edge Detection

Purpose: Understanding on Preprocessing for Computer Vision (Object Boundary Detection)

Tools: Histogramming and Thresholding, Watershed Algorithm, Graph based Segmentation, Sobel Edge Detection, and Edge Linking, etc.

Project:

From given 2 images, giraffe and grain, detect those object (giraffe and grain) boundaries as possible as you can, by using your own solution (any combination of segmentation and edge detection techniques above). Also, if needed, you may use any filter techniques we learned for preprocessing in this class.

