

Assignment 4

Due by November 7, 2019

This project is to study *Otsu* and minimum error thresholding image segmentation algorithms introduced in class.

You are asked to write two image segmentation programs based on Otsu simple thresholding method as taught in class, and/or Kittler and Illingworth's minimum error thresholding method, respectively. Apply your programs on the following images and report your results of binary images.

ler.raw - 100×100 image

Whorl.raw - 512×512 image

Rloop.raw - 512×512 image

linsfN.raw - 640×896 image

linsfT.raw - 640×896 image

The input images are put in the directory `"/user/prof/cchen/CS4520/Images"`

You have to turn in the source codes of your programs, and your binary segmentation results. You are encouraged to do enhancement such as filtering, histogram equalization, and contrast stretching either before or after image segmentation to improve your results. Feel free to make comments on this study.