ECE 5554

Theory and Design of Computer Vision

Systems

Fall 2005, 3 credits, CRN: 95427 HW#1

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- 1. Perform automatic thresholding on the image lena.pgm using
 - a. Otsu's method
 - b. Ridler's method
 - c. Divide the image into four parts, and then apply
 - i. Otsu's method on each part and combine to get the total binary image
 - ii. Ridler's method on each part and combine to get the total binary image

Submit the C/C++ program using the code for I/O on the class website, that solves a,b, c (i and ii) above. Submit your program and a brief written report with description of your program and the performance.