

Homework 3: Project 03-02

Histogram Equalization

- (a) Write a computer program for computing the histogram of an image.
- (b) Implement the histogram equalization technique discussed in Section 3.3.1.
- (c) Download figures 3.15(1,2,3) and perform histogram equalization on them.

As a minimum, your report should include the original image, a plot of its histogram, a plot of the histogram-equalization transformation function, the enhanced image, and a plot of its histogram. Use this information to explain why the resulting image was enhanced as it was.