EIE4512 - Digital Image Processing

Week 13 Tutorial

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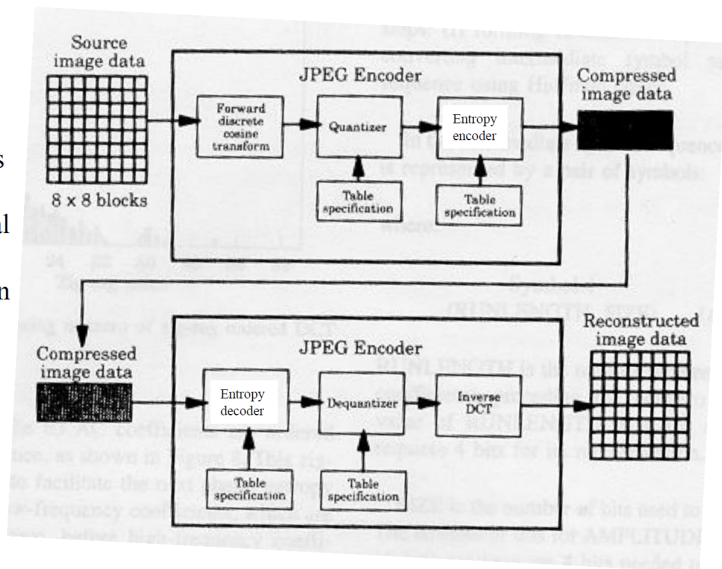
April 25, 2019

Content

香港中文大學(深圳)
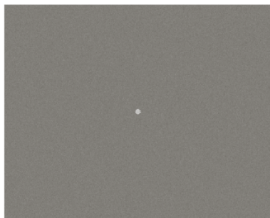The Chinese University of Hong Kong, Shenzhen

1. Sobel Edge Detector

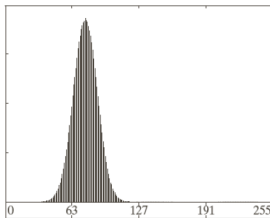Accepted as an international image compression standard in 1992.
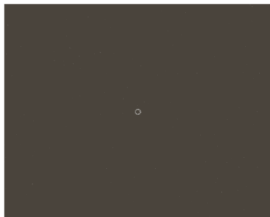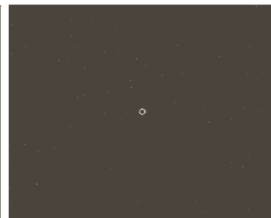
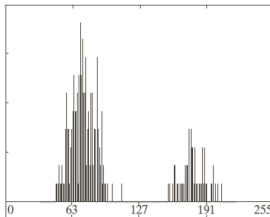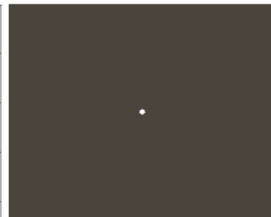# 2. Otsu Method for segment

Noisy image, $\sigma=10$

Histogram

Gradient magnitude mask (at 99.7% of max)

Multiplication (Mask x Image)

Histogram

Otsu

Image of iceberg segmented into three regions.

$k_1=80, \ k_2=177$