

HW2: Problem 3

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1 Read and display the image:

The rose on ice image:



Figure 1: Rose on ice image.

2 Part 1

2.1 K-means Clustering: 2 Clusters

Image split into two clusters:



Figure 2: Image with K-means Clustering: 2 Clusters.

2.2 K-means Clustering Histogram: 2 Clusters

Histogram of the image split into two clusters:

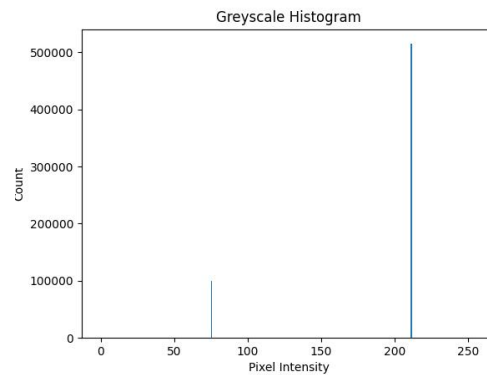


Figure 3: Histogram of image with K-means Clustering: 2 Clusters.