

ABSTRACT

Image compression technology has existed from a long time ago and has two types of image compression. The first type is Lossless Compression and the second type is Lossy Compression. The purpose of this image compression technique is to reduce large size image to small size image, to remove the redundancy, and to save storage media on the computer.

The Huffman method is an image coding method based on the gray level or color level of the pixels in the whole image. Discrete Cosine Transform is a technique for converting a signal into a basic frequency component. In this Final Project, the method will be use is Huffman method and Discrete Cosine Transform method.

In this book, we will analyze Huffman method and Discrete Cosine Transform method as a comparison. After this experiment is completed, the author expects to know which method can produce good results on a particular digital image and which method produces unfavorable results in a particular digital image.

Keywords: Image compression, Lossless compression, Lossy compression, DCT, Huffman.