Various Image Compression Techniques: Lossy and Lossless

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Authors:
Manjari Singh, Sushil Kumar, Siddharth Singh Chouhan, Manish Shrivastava

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Abstract

Image compression is an implementation of the data compression which encodes actual image with some bits. The purpose of the image compression is to decrease the redundancy and irrelevance of image data to be capable to record or send data in an effective form. Hence the image compression decreases the time of transmit in the network and raises the transmission speed. In Lossless technique of image compression, no data get lost while doing the compression. To solve these types of issues various techniques for the image compression are used. Now questions like how to do image compression and second one is which types of technology is used, may be arises. For this reason commonly two types of approaches are explained called as lossless and the lossy image compression approaches. These techniques are easy in their applications and consume very little memory. An algorithm has also been introduced and applied to compress images and to decompress them back, by using the Huffman encoding techniques.
References


Index Terms

Computer Science  Image Processing

Keywords

Image Compression, Huffman Encoding, Lossy, Lossless.