Abstract

Digital watermarking and image processing is a rapidly evolving area of research and development. One key challenge in the research problem is that we are still facing today is the development of truly robust, secure and transparent watermarking technique for different digital media including video, documentary text, graphics, images, and audio. In digital image processing, detection and extraction of text from a documentary image is found a challenging task, especially for inclined, vertical and circular text. The paper focuses on the MATLAB simulation of watermark encryption and decryption scheme using Discrete Wavelet Transform (DWT). The goal of the work is not to restrict access to the original image, but to ensure that embedded data remain recoverable. The research work is carried out on MATLAB 2012, image processing tool.

Index Terms

Computer Science
Security

Keywords
Digital Image Processing  Digital Watermarking  Discrete Wavelet Transform (DWT)