

2000 Kyoto International Conference on Digital Libraries: Research and Practice,
Japan, Kyoto, Nov 13-16, 2000: 373-379

A method for protecting digital images from being copied illegally

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Abstract

Due to the recent growth of digital multimedia transmissions on the network, the need for the intellectual property right protection of information processed via multimedia, like images, music, and videos, has become more and more important than before. Many digital watermarking techniques have been proposed to solve this problem by hiding an invisible watermark in an image to prove the ownership of the image. In this paper; however we shall propose a new scheme for the copyright protection of images. Our scheme is a DCT-based method and does not actually hide the watermark in the image. Besides, this scheme is extremely applicable for multiple watermarking. According to our substantial experimental results, this scheme is strongly robust against various kinds of image processing attacks.

Key words : Digital watermarking; Discrete cosine transform action

(DCT); Intellectual property right (IPR)