

Robust Hash Used In the Application of Digital Image Signature

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ABSTRACT

The destroyers can use various methods to attack the digital watermarking; it's hard to protect our intellectual property rights. But by using hash function, we can detect deformations (such as rotation and scaling) applied to original image or against some image processing basic attacks (like compression, filtering, blurring etc.). In this paper, we present a soft hash algorithm to detect digital image signature. The theory and the experiments has approved that it is a robust algorithm.

Keywords: hash function, copyright, pattern recognition, Radon transform, digital signature, attacks.