

DISTORTION FREE FRAGILE WATERMARKING TECHNIQUE FOR MEDICAL IMAGES

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ABSTRACT

Digital watermarking is one of solutions to protect intellectual properties and copyright by hiding information, the modern telemedicine often laps in the infrastructure to deploy image security standards. The fragile watermarking scheme provides good security solution to medical images in telemedicine. In this paper, we present a reversible, spatial domain watermarking scheme for color medical images. In the given watermarking mode the watermark is extracted from unaltered components of the image ie. Stored as the key. Later, this key information is used for recovering the watermark. The extracted watermark is used for copy-right justification. As medical images have zero tolerance for noise our scheme produces noise free watermarked medical images.

KEYWORDS: Fragile, Robustness, Spatial Domain