

Protecting digital image copyrights using watermarking techniques

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Abstract: This topic addresses the necessity of copyright protection for digital content, particularly images, in the information age. The objective of the research is to develop a system based on watermarking techniques to automatically embed copyright information into digital images in an invisible manner while ensuring integrity and verifiability. The applied method combines both watermarking theory and experimentation with real images to ensure the system operates effectively and complies with legal regulations. The significance of the research lies in providing a new technical solution for copyright protection in the digital environment, contributing to the sustainable development of the information industry.

Keywords: Copyright protection, watermarking technique, digital images, automated system, copyright information