

Title: Trade-off between robustness and quality based on dual intermediate significant bits (Conference Paper)

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Abstract:
For any digital watermarking system, many requirements should be available. The most important requirements are imperceptibility (quality), and robustness. Many studies have tried to enhance these requirements by using different techniques and methods. In this study, a trade-off between the two requirements to find the optimal value based on the output of intermediate significant bits (0 or 1) and make a balance between them. However, this trade-off by finding the best combination with a versatile image such that any change on the path by attacks would minimally affect the selected bit. The results show that the trade-off new algorithm and makes a balance between the image quality and robustness.

Author keywords: Dual intermediate significant bits, Quality, Robustness, Trade-off

In-depth keywords:
Digital watermarking
Image quality
Robustness (control systems)

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