



RESEARCH ARTICLE

A Novel Steganographic Approach to enhance the Performance of Security System in a Smarter Way

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Abstract— Steganography can be defined as the process of hiding information by embedding messages within other; Information can be in the form of text, audio, video. Pixel value differencing (PVD) is a steganography method which embeds secret data in images based on spatial information. And to improve the capacity of hiding data is increased by using Tripixel Difference Value Method. In which data is hidden in 2X2 Square block. Here proposed method improves the security of existing TPVD method by making certain modification to make it to more robust to histogram quantization. But it reduces certain capacity of original TPVD algorithm. And the stability of against histogram quantization is significantly improved.

Key Terms: - Steganography; TPVD; PVD; Stego image; Stegnalysis
