Improved the Security Strength of Visual Cryptography using Feature based Watermarking Technique

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Abstract

Data integrity and confidentiality is major issue in internet based communication. For the integrity and confidently used various cryptography and stenography technique. The traditional message hiding technique faced a problem of intruder. The intruder easily decrypts the image and gets information. For the improvement of security strength used various key cryptography technique for hiding of information. In consequence of data hiding visual cryptography is another milestone. The process of visual cryptography used technique of share generation for the authentication of image. The process of share generation used mathematical formula and derivations. In this paper proposed feature based watermarking technique for visual cryptography. The feature based process used two feature property of image, color and texture feature. The color feature property generates a key value and texture feature property generates the value of share for the visual cryptography. The proposed method is simulated in MATLAB software and applies some geometrical attack for the measuring of security strength.

References
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**Index Terms**

Computer Science Security
Keywords

Watermarking, cryptography, generation of Key