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Abstract

In recent years, there has been a rapid growth on information technology for people to communicate on the Internet. Since Internet is public, anyone can easily read the information and perform successful transmissions without protection. In the present era of computers and fast communication, one needs to protect the communicated information from unauthorized users. For this purpose, Visual Cryptography is introduced to provide confidentiality and

security when visual data are transmitted through unsecured communication channels. In this paper, we depict the security of image encryption by the concept of Visual Cryptography Scheme(VCS) . The concept of image fusion helps us to extract features from feature set of different sources and also in applications like remote sensing. Techniques such as DCT based image compression and decompression are used mainly to have high data rates. Further this paper also aims to reduce storage requirements and also our scheme is much more effective for multimedia image compression(energy compaction) and decorrelation by the application of DCT.

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