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RESEARCH ARTICLE

EXTENDED AND EMBEDDED VISUAL CRYPTOGRAPHY

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ABSTRACT:

Visual cryptography scheme is a cryptographic technique which allows visual information (Printed text, handwritten notes, and picture) to be encrypted in such a way that the decryption can be performed by the human visual system, without the aid of computers. There are various measures on which performance of visual cryptography scheme depends, such as pixel expansion, contrast, security, accuracy, computational complexity, share generated is meaningful or meaningless, type of secret images(either binary or color) and number of secret images(either single or multiple) encrypted by the scheme. Intent of this paper is on study and performance analysis of the visual cryptography schemes on the basis of pixel expansion, number of secret images, image format and type of shares generated.

Index Terms -- Visual Cryptography Scheme (VCS), pixel expansion, contrast, security, accuracy, computational complexity

Full Text: <http://www.ijcsmc.com/docs/papers/February2014/V3I2201425.pdf>