

DATA HIDING FOR BINARY IMAGE BY CONNECTIVITY-PRESERVING

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ABSTRACT

Digital watermarking and data hiding techniques are used in many applications such as ownership protection, copy control, annotation, and authentication. In this method of blind data hiding for binary image by preserving the connectivity among pixels in a local neighborhood. Embedding the data in binary image is possible by flipping the pixels. The flippability decision of a pixel depends on three transitions from the pixels to its eight neighbors in a 3X3 block. Flipping a pixel does not destroy the connectivity among pixel, to ensure the good visual quality of an image. Fixed Block method of partitioning an image is discussed here. Security issue, visual quality, various methods of data hiding are discussed.

KEYWORDS: Binary Image, Connectivity Preserving, Data Hiding