عنوان مقاله:

Increasing the Compression Rate of PNG Format, Through Middle Encoding Algorithm

محل انتشار:

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خلاصه مقاله:

In this paper a new algorithm called Middle encoding algorithm (MEA) is introduced which can be applied for data encoding. In this method, by means of simple mathematical and statistical tools, the digital values of pixels are at first separated as high value and low value digits. The low value digits are encoded and stored by Middle encoding algorithm and the high value digits are stored through PNG format. The compressed digits will compose the new file picture. The results of the proposed method have shown better compression than PNG format. The pictures of the proposed method are compressed in both lossless and lossy compression.

کلمات کلیدی:

Middle Encoding Algorithm (MEA), Mathematical, Separate, Low and High value digits, PNG, Lossy, Lossless

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