New Technique For Reducing Symmetry Mapping In Colored FIC Based on Moments Features

Dr. Abdul-Monem S.Rahma* & Dr. Raheem A. S. Uglia*

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Abstract
This paper studied the effect of symmetry mapping process on the compression parameters of the fractal color image compression by moment features was studied. Feature of moment utilized to reduction the symmetry mapping from 8 to only one. The operation of reduction is achieved by using predictor to symmetry mappings; the predictor will predict specific symmetry mapping according a specific feature of moments to one of eight. Such that eight versions (blocks) are produced for each domain block, so this case needs 8 mappings and it requires more computational time. Our suggestion will directly reduce the encoding time 1:8 times.

Keywords: frame Compression, Fractal Image Compression, Isometric Process, Moments Features

*Computer Science Department, University of Technology/ Baghdad 2005