Abstract

Now a days most of the researchers are doing lots of work in the area of image compression. Fractal image compression requires lots of mathematical computation to compress an image. Fractal image compression is a recent technique based on the representation of an image by a contractive transform, on the space of images, for which the fixed point is close approximation to the original image. Main aim of fractal image compression algorithm is to reduce computation time required to compress image data. Fractal image compression is a lossy compression method for digital images, based on fractals. It is based on affine contractive transforms and utilizes the existence of self-symmetry in the image. This paper presents method for generating fractal images using iterated function system, method to partition image for compressing image using fractal image compression technique and various quality measures in fractal image compression.
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Index Terms

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Keywords
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