Abstract

In this paper, a simple fast lossless image compression method is introduced for compressing medical images, it is based on integrates multiresolution coding along with polynomial approximation of linear based to decompose image signal followed by efficient coding. The test results indicate that the suggested method can lead to promising performance due to flexibility in overcoming the limitations or restrictions of the model order length and extra overhead information required compared to traditional predictive coding techniques.

References

Lossless Compression of Medical Images using Multiresolution Polynomial Approximation Model


Index Terms

Computer Science
Image Processing
Keywords
- Medical images
- lossless image compression
- multiresolution coding and polynomial representation