Faculty of Computer Science UNB

Faculty of Computer Science 2007-2008 Seminar Series

Performance Improvement Strategies in Fractal Image Coding

By

Dr. Dinesh B Kulkarni

Visiting Scholar from Department Of Computer Science
Walchand College Of Engineering, Sangli, MH, India

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ITC317

Deterministic fractal objects have intrinsic property of having extremely high visual complexity while being very low in information content, as they can be described and generated by simple deterministic algorithms. All the images are not exactly self-similar. PIFS (Partial Iterated Function System) are used for detecting and exploiting the similarities present in the images. The encoding time is considered to be bottleneck of fractal coding technique. In this talk I will review the different techniques for optimizing the encoding time. At the end various approaches for developing fractal coding algorithms in parallel environment with comparative assessment on different platform will also be presented.

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STUDENTS ARE ENCOURAGED TO ATTEND

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