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[pdf]lecture 7 predictive coding & quantization

Shujun LI (???): INF-10845-20091 Multimedia Coding Why is compression possible: Statistical redundancy direction of natural images Processing . 2/3-D DPCM for digital images/video . Block matching: A visual show. 24 . Engineering: Fundamentals, Algorithms, and Standards, Chapter 3.

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Fractal compression - wikipedia

Fractal compression is a lossy compression method for digital images, based on fractals. The method is best suited for textures and natural images, relying on the fact that parts of an image often resemble other parts of the same image. Fractal algorithms convert these parts into mathematical data called "fractal . Fractal video compression ratios of 25:1–244:1 have been achieved in

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Image and video source coding fundamentals Show details a dynamic process that results in a good image/video reconstruction quality even if the visual multimedia applications demand over wirelessly connected devices. emerging algorithms and standards for image and video compression [1].

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Video coding and transmission standards for 3d television — a survey

Show Summary Details . The review of the video coding and transmission techniques is presented [9] Y.Q. Shi and H. Sun, Image and Video Compression for Multimedia Engineering. Fundamentals, Algorithms, and Standards. video coding extension of the H.264/AVC standard,” IEEE Signal Process.

Fast mode decision in the hevc video coding standard by exploiting

The emerging High Efficiency Video Coding (HEVC) standard HEVC [1] video coding standard has provided similar perceptual image [20] introduce an early MERGE mode decision algorithm to reduce Shi YQ, Sun H (1999) Image and video compression for multimedia engineering: Fundamentals,

[pdf]fundamentals of multimedia.tif - server users.dimi.uniud.it

Fundamentals Images of Lena that appear in Figures 3.1, 3.3,3.4; 3.10.8,20,9.2, and 9.3, are . 10.2 Video Compression Based on Motion Compensation 288 . graphics, image processing, databases, real-time systems, operating systems, technical applications-that is, computer science and engineering students.

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Fundamentals, Algorithms, and Standards, Second Edition Yun Q. Shi, Huifang Sun. IMAGE. PROCESSING. SERIES. Series Editor: Phillip A. Laplante,

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[pdf]e669 course syllabus

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Advances in multimedia information processing - pcm 2004: 5th

212–220, 199 Gonzalez, R.C. and R. E. Woods: Digital Image Processing. MPEG-4 International Standard, 2001 ITU-T Recommendation H.263: Video Image and Video Compression for Multimedia Engineering Fundamentals, Algorithms,

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Evolution of video coding standards. The DCT algorithm is fast and recursive. .. to Data compression”, Third Edition, Morgan Kaufmann Series in Multimedia Image and video processing courses at UT Arlington (EE 5351, EE 5355, EE 5356 video compression for multimedia engineering: Fundamentals, algorithms

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7, K.K.Parhi and T.Nishitani (eds), Digital Signal Processing for Multimedia 8, K.R.Rao and J.J.Hwang, Techniques and Standards for Image ,Video and Audio 20, Y.Q.Shi and H.Sun, “Image and video compression for multimedia engineering: Fundamentals, algorithms and standards,” Boca Raton, FL: CRC Press, 2000

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