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References; Fast Face Recognition Using Fractal Range/Domain Classification; 1. Introduction; 2. The Method; 3. Memory and Time complexity Analysis; 4. Experimental results; 5. Conclusions; References; A Method for 3D Face Recognition Based on Mesh Normals; 1. Introduction; 2. Related works; 3. The proposed method; 4. Experiments and Discussion; 5. Conclusions; References High-D Data Visualization Methods via Probabilistic Principal Surfaces for Data Mining Applications 1. Introduction; 2. Theoretical background; 3. Spherical PPS Visualizations; 4. Experiments; 5. Conclusions; References; A Study on Recovering the Cloud-Top Height from Infra-Red Video Sequences; 1. Introduction; 2. Geometry of the satellite viewing system; 3. Description of the method; 4. Experimental assessment; 5. Conclusions; Acknowledgments; References; Powerful Tools for Data Mining: Fractals Power Laws SVD and More; 1. Power laws and fractals; 2. Singular Value Decomposition 3. Conclusions References; An Unsupervised Shot Classification System for News Video Story Detection; 1. Introduction; 2. System Architecture; 3. The News Video Database; 4. Experimental Results; 5. Conclusions; References; 3D-TV - The Future of Visual Entertainment; 1. Introduction; 2. 3D - TV Content Creation; 3. Compression; 4. Interactive Display; 5. Outlook; References; Entropy as a Feature in the Analysis and Classification of Signals; 1. Introduction; 2. The Method; 3. Results; 4. Discussion; 5. Conclusions; References

Sommario/riassunto

There is a strong need for advances in the fields of image indexing and retrieval and visual query languages for multimedia databases. Image technology is facing both classical and novel problems for the organization and filtering of increasingly large amounts of pictorial data. Novel kinds of problems, such as indexing and high-level content-base, accessing to image databases, human interaction with multimedia systems, approaches to multimedial data, biometrics, data mining, computer graphics and augmented reality, have grown into real-life issues. The papers in this proceedings volume relate
