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Yu.S. Bekhtin, A.A. Bryantsev. NOISY IMAGE COMPRESSION USING A LIBRARY OF WAVELET-BASED CODERS

Key words: Wavelet transformation, wavelet-based codec, noisy image compression.

A library of wavelet-based coders is used for noisy image compression with low bit rate channels. A suggested algorithm allows automatically to choose the best coder providing the maximal value of peak signal-to-noise ratio under the given channel bit rate and noise variance. The results of modeling have shown similar coders' behaviors with images corrupted by both additive and multiplicative noise.3

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Key words: GERT-network, generating function of moments, characteristic function, aging applications, sophisticated allocation, simulation modeling.

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Key words: time-of-flight mass-separation of ions, linear electric fields, planar discrete electrodes, radiofrequency mass-reflectron.

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Key words: direct and inverse tasks, VaR and CaR criterions, criteria comparison.

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