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Maximum entropy methods for texture synthesis: theory and practice. (English)


MSC:
94A17 Measures of information, entropy
94A08 Image processing (compression, reconstruction, etc.) in information and communication theory
94A20 Sampling theory in information and communication theory
62B10 Statistical aspects of information-theoretic topics
62L20 Stochastic approximation
62P99 Applications of statistics
60J05 Discrete-time Markov processes on general state spaces
60J10 Markov chains (discrete-time Markov processes on discrete state spaces)
60J22 Computational methods in Markov chains
65C05 Monte Carlo methods
65C40 Numerical analysis or methods applied to Markov chains
68U10 Computing methodologies for image processing
68T07 Artificial neural networks and deep learning

Keywords:
texture synthesis; information geometry; maximum entropy; Markov chains; Langevin algorithm; convolutional neural network

Full Text: DOI

References:


[63] F. Topsøe, Information-theoretical optimization techniques, Kybernetika (Prague), 15 (1979), pp. 8-27. · Zbl 0399.94007


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