



Research Letters in Signal Processing

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Research Letter

Improved Parameter Estimation for First-Order Markov Process

Deepak Batra,¹ Sanjay Sharma,² and Amit Kumar Kohli²

¹Department of Electronics and Communication Engineering, CITM, Faridabad 121002, India

²Department of Electronics and Communication Engineering, Thapar University, Patiala 147004, Punjab, India

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Abstract

This correspondence presents a linear transformation, which is used to estimate correlation coefficient of first order Markov process. It outperforms zero-forcing (ZF), minimum mean-squared error (MMSE), and whitened least-squares (WTLSS) estimators by controlling output noise variance at the cost of increased computational complexity.