ROBUSTNESS OF ESTIMATION 
OF FIRST-ORDER AUTOREGRESSIVE MODEL 
UNDER CONTAMINATED UNIFORM WHITE NOISE 

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Abstract 

The first-order autoregressive model with uniform innovations is considered. In this paper, we study the bias-robustness and MSE-robustness of modified maximum likelihood estimator of parameter of the model against departures from distribution of white noise. We used the generalized Beta distribution to describe these departures. 

Keywords: autoregressive model, bias, MSE, robustness, generalized Beta distribution. 


References 


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