

## A Method of Detecting Changes in the Behaviour of Locally Stationary Sequences

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*Abstract:* A method for the detection of abrupt changes in the course of a locally stationary sequence is proposed. The method is based on a suitable approximation of an observed sequence by autoregressive models that are compared by means of a similarity measure derived from the asymptotic  $I$ -divergence rate. The method is illustrated by several numerical results.

*Keywords:*

*AMS Subject Classification:*