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**A FEEDBACK MODEL FOR PREDICTING THE QUALITY OF THE PRODUCT OF A COMBINED MASS-EXCHANGING TECHNOLOGICAL PROCESS**

The paper considers a problem of building the model that predicts the quality measure of the combined mass-exchanging technological process. The model includes a feedback loop using a forecasting error of an output variable. It is shown that suggested approach increases the identification accuracy of the production facility.

**Keywords:** predictive model, feedback, quality measure, combined mass-exchanging technological process, identification.

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