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**NONCONVENTIONAL IDENTIFICATION OF VARIOUS OBJECTS OF CLASS OF DEFICIENCY OF INITIAL INFORMATION**

The article is concerned with vzvesensushchy water flow (with flow rates  $Q = 0.29, \dots, 0.37 \text{ m}^3/\text{s}$  without measurement of alluvial characteristics) in the off-take of the river Toru-Aigyr provided that the waterway was studied partially. As a result there were identified two experiments out of 12 in the diffusive theory. Application of additional (physical) restrictions allows to reduce the quantity of computing works by 11 times at the intermediate stages of the analysis.

**Keywords:** model, method, nonconventional identification, operating parameters, a matrix, the studied waterway, partially studied waterway.

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