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Tomchin D.A. (dtomchin@yandex.ru), **Gukov N.V.**, **Nersesian A.A.**, **Sventsitskaya T.A.**
Institute of Problems of Mechanical Engineering RAS

ROTOR SYNCHRONIZATION CONTROL OF DOUBLE-ROTOR VIBRATION UNIT UNDER STOCHASTIC LOAD

The paper examines the dynamics of the system for rotor synchronization control of double-rotor vibration unit designed for sifting bulk materials. Computer simulation in the MATLAB software environment shows that the proposed adaptive control algorithm provides a steady synchronous operation under stochastic load.

Keywords: double-rotor vibration unit, control algorithm, stochastic load, computer simulation.

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