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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.