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**LINEAR MAGNETOELECTRIC VIBRATION ACTION MOTORS FOR DRIVE CONSTRUCTION MACHINES AND MECHANISMS.** Kyiv National University of Construction and Architecture, Institute of Electrodynamics of NAS of Ukraine. K.: Institute of Electrodynamics of NAS of Ukraine. 2021. 274 cc ISBN 978-966-02-9548-3.

The monograph is devoted to the development of the theory of linear magneto-electric vibration motors in the direction of developing new and improving the existing mathematical models, methods of calculation and analysis of electromagnetic parameters, electromechanical characteristics, which allow taking into account the features of technological construction processes. In particular, the vibrating motion of the armature, wide operating frequency range, use of massive magnetic cores of low-carbon structural steel, and non-periodic characters. Constructive principles of such machines are substantiated, and approaches to determining their optimum structural parameters are considered. The results of experimental studies of linear magneto-electric machines in vibration and vibration-impact modes of operation are presented.

The monograph is intended for specialists in the field of development and research of vibrating electromechanical systems with linear electric drive, as well as for graduate and undergraduate students of electrical engineering specialties.