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CREATION FEATURES OF ELECTROMECHANICAL SYSTEM FOR NANOSATELLITE ORIENTATION ON THE BASIS OF BRUSHLESS MAGNETOELECTRIC MOTOR

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Abstract

Creation features of the magnetoelectric slotless motor for orientation of the nanosatellite systems are considered. The principles of the selection motor characteristics to minimize the weight and size, power consumption and stray field generated by the magnetic excitation of the engine system are considered. References 13, figures 2, table 1.

Key words: nanosatellite, satellite orientation, reaction flywheel, bruchless electric drive.

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