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SIMULATION OF INDUCTION MACHINES WITH COMMON SOLID ROTOR

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Abstract

A simulation model is developed and transient modes of a double-module induction machine with a common external solid rotor are researched. It is established, that with the counter rotation of magnetic fields, a gearless mode of the steady operation of a double-module induction machine is provided at low rotational speeds of the solid hollow rotor, combined with a screw actuator. References 14, figure 1, table 1.

Key words: simulation model, induction machine, solid rotor, transient mode.

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