

SUMMARY

The diploma project comprises: 68 pages, 23 figures, 11 tables and graphical part on 3 pages A1.

The objective of this project is the development of electromechanical system for sport car based on synchronous motors with permanent magnets.

The results obtained can be used for designing of sport electric vehicles with permanent magnets synchronous motors.

The graphical part includes: the schematic circuit diagram of inverter, the structure of the control algorithm, sketch of the electric vehicle and graphs of transients obtained by mathematical simulation.

PERMANENT MAGNET SYNCHRONOUS MOTOR, ELECTRIC VEHICLE, FIELD ORIENTED TORQUE CONTROL ALGORITHM, FIELD WEAKENING, MICROCONTROLLER.

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Devel.	I. Pushnitsyna				<i>Electromechanical system of a sport car based on synchronous motors with permanent magnets Summary</i>	L.	Page	Pages
Checked	S. Kovbasa						7	68
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