

## SUMMARY

The diploma project contains: 54 pages, 18 figures, 3 tabulations, 3 sheets of graphic part.

The purpose of this diploma project are the design of the electromechanical system of an electric roler, the familiarization with the detailed structure, the principle of operation of the vehicle.

In the bachelor project the research of algorithm of control of speed of a synchronous engine is conducted. The investigated algorithm provides asymptotic processing of a given speed, which is confirmed by the method of mathematical modeling at the maximum and average speed of the electric drive.

The developed mathematical model of the electric motor movement in MATLAB Simulink environment allows further research of the electromechanical system on the basis of electrolytes or other types

ELECTROMECHANICAL SYSTEM, ELECTROLER, ENERGY STORAGE DEVICE, CONTROLLER, SYNCHRONOUS TIMING MOTOR, TRANSIENT PROCESSES

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Змн.	Лист	№ докум.	Підпис	Дата	Електромеханічна система електроролеру Реферат			Літ	Арк.	Аркушів
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