

## SUMMARY

The diploma project includes: 74 pages, 32 figures, 10 tables and a graphical part on 3 pages A1.

The purpose of the bachelor work is to develop and research a traction of electric drive technological tram with a diesel generator based on a semiconductor converter with pulse-width modulation.

In this work has an analytical review of electric drives control existing types of tram cars, the static calculation and dynamic modes tram electromechanical system research. The electric drive control system operation algorithm is developed. The electric motor choice and power electric equipment has been completed, tram car electromechanical system parameters are calculated. The obtained modeling results and conclusions are analyzed.

*TRAM, DIRECT CURRENT MOTOR, TRACTION ELECTRIC DRIVE, CONTROL SYSTEM, PULSE-WIDTH MODULATION, PULSE-WIDTH CONVERTER.*

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Letter	№ of doc.	Sign.	Date				
Devel.				Electromechanical system of technological tram with diesel generator on the basis of a semiconductor converter with pulse-width modulator	L.	Page	Pages
Checked	I. Shapoval				7	74	
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SUMMARY							