

SUMMARY

The diploma project comprises: 52 pages, 33 figures, 2 table and graphical part on 3 pages A1.

The purpose of the bachelor's thesis is to develop and study the traction asynchronous electric drive of a trolleybus.

In this paper, an analytical review of the existing types of electric trolleybus drive, their advantages and disadvantages. The traction asynchronous motor and elements of the power circuit are calculated and selected. A mathematical model of vector control of the electric drive has been developed. The obtained results of calculations, modeling and conclusions are analyzed.

TROLLEYBUS, ASYNCHRONOUS MOTOR, TRACTION ELECTRIC DRIVE, MATHEMATICAL MODEL, VOLTAGE INVERTER. INDIRECT VECTOR CONTROL.

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<i>Devel.</i>	<i>O. Rudenko</i>				<i>Traction asynchronous electric drive of the trolleybus</i>	<i>L.</i>	<i>Page</i>	<i>Pages</i>
<i>Checked</i>	<i>I. Shapoval</i>					7	62	
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