

ABSTRACT

Master's diploma contains 108 pages, 29 figures, 21 tables, 6 sheets of graphics.

The aim of this work is development and research of electromechanical systems of electric bus and comparing performance electric bus on the basis of traditional diesel buses.

The object of the research is the process of energy management system of electric bus traction motor with different power supply variations.

The subject of research is the control algorithms of energy between the electric vector controlled and power supply.

The research results can be used to design electric electrical bus combined use of different power supply options.

Graphical part includes: functional diagram of the control algorithm, principal electrical scheme of power, dynamic power characteristics of the electric bus.

INDUCTION MOTORS, BATTERIES, SUPERCAPACITORS,
CONVERTERS, DRIVERS, IGBT, VECTOR CONTROL.

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<i>Змн.</i>	<i>Арк.</i>	<i>№ докум.</i>	<i>Підпис</i>	<i>Дата</i>				
<i>Розроб.</i>		<i>Єрмоленко Є. І.</i>			<i>Асинхронний електропривод електробусу з підвищеними енергетичними характеристиками</i>	<i>Літ.</i>	<i>Арк.</i>	<i>Акрушів</i>
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