

SUMMARY

Diploma project contains 60 pages, 28 figures, 3 tables, 3 graphics sheet parts.

The main aim of the diploma project is the development of analog control system for boost-up converter.

The developed boost-up converter can be used for teaching students the basics of electronics and pulse width modulation electric energy converting. The experimental investigations of designed set-up were performed. The obtained results ensures quite good voltage regulation in accordance to requirement characteristics.

The graphical part includes: functional diagram, the schematic circuit diagram, graphs of load's current and voltage were obtained by experimental testing.

ANALOG SYSTEM, BOOST CONVERTERS, DRIVERS, TIMER,
OPTOELECTRONIC, DUTY CYCLE, PULSE-WIDTH MODULATION,
OSCILLOGRAM.

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<i>Змн.</i>	<i>Арк.</i>	<i>№ докум.</i>	<i>Підпис</i>	<i>Дата</i>				
<i>Розроб.</i>		<i>Фомін Б.В.</i>			<i>Аналогова система керування підвищуючого перетворювача напруги</i>	<i>Літ.</i>	<i>Арк.</i>	<i>Акрушів</i>
<i>Перевір.</i>		<i>Димко С.С.</i>					7	60
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<i>Затверд.</i>		<i>Пересада С.М.</i>						