

SUMMARY

Diploma project on the theme "Automated electric actuator of valve conduit" in volume of 67 pages, contains 5 drawings and 14 literary references.

The purpose of the diploma project is to modernize the electric drive of the shut-off valve of the pipeline by using the vector control system of the asynchronous motor with direct torque control.

The diploma project deals with the calculation of power and the choice of asynchronous motor, calculation of the main elements of the power part of the frequency converter, mathematical modeling of the electromechanical system and the synthesis of the control system.

ASYNCHRONAL MOTOR, STEERING ARMATURE, MECHANICAL
CHARACTERISTICS OF ASYNCHRONAL MOTOR

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<i>Змн</i>	<i>Лист</i>	<i>№ док.м.</i>	<i>Підпис</i>	<i>Дата</i>			
<i>Розроб.</i>		<i>Байрак Д.К.</i>			<i>Літ.</i>		
<i>Перевір.</i>		<i>Красношанка</i>			<i>Арк.</i>		
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<i>Н. Конта.</i>					<i>КПІ ім. Ігоря Сікорського</i> <i>Каф. АЕМС-ЕП</i> <i>Гр. ЕП - 42</i>		
<i>Затверд.</i>		<i>Пересада С.М.</i>					