

## ABSTRACT

This graduation dissertation contains: 120 pages , 36 figures, 6 papers of graphic part, 17 tab. and 53 references.

The research object is the process of automatic control of the oil-producing pumping complex.

The research subject is electromechanical automation system of the oil-producing pumping complex under various conditions and modes.

Purpose of work - development and research the system of automatic control of the oil-producing pumping complex under various conditions and modes.

Research Methods. Used are fundamentals of the theory of of the electric drive, of automatic control theory, computer simulation and experimental study.

In this dissertations was solved the actual task of development and research of electromechanical systems for the oil-producing pumping complex, which allows to increase the energy efficiency during pumping oil in different modes. Developed the stabilization system of pressure for the oil-producing pumping complex which allows you to explore dynamic modes when changing of hydraulic resistance and hydrostatic pressure.

STABILIZATION SYSTEM OF PRESSURE, OIL-PRODUCING PUMPING COMPLEX, HYDRAULIC RESISTANCE, HYDROSTATIC PRESSURE, MATHEMATICAL MODEL.

Зм.	Лист	№ докум.	Підпис	Дата	<i>Electromechanical system of automation of oil-producing pumping complex</i>	Т		
Розроб.		Wu Xuan						
Перевір.								
Г. контр.								
Керівник		S. Buryan						
Н. контр.								
Ватверд.		Peresada				Лист	Листів	
						<i>Igor Sikorsky Kyiv Polytechnic Institute, FEA, group EP-51m</i>		