

SUMMARY

Bachelor's diploma consists of __ pages, __ figures, __ tables and graphic part on 3 pages. The structure of the degree project includes analytical examination requirements elektropryvodu extruder and fan development of functional circuit speed control with frequency control induction motor calculation options and selection of the main elements of the electric drive, the development of structural schemes and synthesis of regulators to develop a mathematical model, the study of static and dynamic characteristics frequency-controlled asynchronous electric fan health and the environment.

Objective: To study the automatic control system of the electric fan cooling circuit extruder.

The graphical part includes an electric circuit principle, charts transients, appearance extruder and fan.

**EXTRUDERS, MATHEMATICAL MODEL, FREQUENCY CONTROL,
COOLING CIRCUIT**

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	Letter	№ of doc.	Sign.	Date	The electromechanical system for automatic control of the extruder cooling circuit.Summary	L.	Арк.	Letters
Devel.	D. Garkavenko							
Checked	Khalimovskiy					NTUU«KPI»		
N. Contr.								
Approved.	S. Peresada							