

SUMMARY

The diploma project comprises: 58 pages, 22 figures, 2 tables, 1 specification and the graphical part on 3 pages A1.

In this diploma project has developed a system for controlling the productivity of the extruder. As an electric drive (ED) frequency-regulated asynchronous ED is used. The structure of the system has a subordinate speed control circuit. Regulators of the control system that obtained by synthesis provide the necessary quality of its work. The method of mathematical modeling confirmed the performance of the developed system.

INDUCTION MOTOR, EXTRUDER, FREQUENCY CONTROL, SHNEK, FORMING HEAD, FILM, POLYMER, REDUCTION, EXTRUSION, SYNTETHIS, MODELING.

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N. Contr.				NTUU «KPI», FEA					
Approved.	S. Peresada								