

## SUMMARY

The diploma project comprises: 65 pages, 19 figures, 4 tables, 0 appendix, 1 specification and the graphical part on 3 pages A1.

In this project comparative research and analysis film tension control system Drum. As the executive body of the system used vector-controlled asynchronous electric drive. Based on power calculation on the basis of initial data of selected electric power and electrical elements of the system. The efficiency of the system simulation results proved transient.

The results of the degree project can be used to develop a winding device for polymer films..

DRUM, MATHEMATICAL MODEL, VECTOR CONTROL,  
SYNTHESIS, CHARACTERIZATION, RESEARCH.

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Checked	O. Khalimovski						7	65
N. Contr.					<b>NTUU «KPI», FEA</b>			
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