

## SUMMARY

The diploma project comprises: 80 pages, 50 figures, 8 tables, 3 appendixes, 2 specification and the graphical part on 4 pages A1.

In this diploma project were shown examples of modern thyristor converters. Explanations of their types are shown in the comparison between the transducers of different types.

It was developed and implemented stand for laboratory testing, reverse-phase thyristor for back-to-parallel circuit and functional diagram of the laboratory stand. Was composed concept research and practically tested.

There was also modified converter circuit in the package MatLab Simulink. In the recorded characteristics of the design and practical implementation carried analogy, proving the functionality of the circuit.

DC MOTOR, THYRISTOR CONVERTER, MICROCONTROLLER,  
MICROCIRCUIT, ELECTRIC DRIVE.

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Checked	Zhelinskiy M.						7	80
N. Contr.						<b>NTUU «KPI», FEA</b>		
Approved.	S Peresada							