

## SUMMARY

Diploma project contains 62 pages, 27 figure, 3 table, 3 graphics sheet parts.

The main aim of the diploma project is the development and practical implementation of laboratory model to study the static characteristics of the DC motor, which has a control input voltage using pulse - width converter.

The laboratory setup can be used for teaching students in the course "Theories of electric drive - 2".

The graphical part includes: functional diagram, the schematic circuit diagram, graphs of load's current anchor circle and speeds and graphs of control action obtained by experimental testing.

STATICS CHARACTERISTICS, PULSE-WIDTH CONVERTERS,  
MICROCONTROLLER, DIRECT CURRENT, MOTOR DC.

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