

SUMMARY

The diploma project comprises: 68 pages, 14 figures, 6 tables, 1 specification and the graphical part on 3 pages A1.

In this project performed research and analysis algorithm of direct field oriented torque control of induction motor for electric tractor. This algorithm provides asymptotic tracking of given trajectories of moment and flux.

The method of mathematical modeling was obtained characteristics provided by the algorithm of control when tracking the trajectory moment as load charts.

TRACTION INDUCTION MOTOR, ELECTRIC TRACTOR, DIRECT
FIELD ORIENTED CONTROL, REGULATOR'S SYNTETHIS, BATTERY,
INVENTER

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Approved.	S. Peresada							