SUMMARY

The master's dissertation comprises: 117 pages, 55 figures, 24 tables.

In this master's dissertation, research and analysis of the direct field oriented control algorithm of the induction motor for an electric tractor with combined neural network optimization.

The method of mathematical modeling obtained the indicators provided by this algorithm of control and researched the energy properties

NEURAL NETWORK, TRACTION INDUCTION MOTOR, ENERGY MANAGEMENT, ELECTRIC TRACTOR, SYNTHESIS OF REGULATORS, CURVE OF MAGNITIZING, BATTERY