Abstract

Induction motors are the work horse of the modern industry. A dynamical model of a 3-Φ induction motor is developed with an aim of parameter identification. Genetic algorithm based approach is used to demonstrate the concept of estimating the motor parameters from the experimental data. Parameter identification of the motor is achieved and the speed torque
characteristics of the extracted motor parameters compared with the experimental data.

Reference


Index Terms

Computer Science

Power Systems

Key words

3-Φ induction motor genetic algorithm

param–eter identification