

ANNOTATION

Frequency control in induction motors has many features. By adjusting the frequency, it reduces the energy consumption of the engines and allows you to adjust the starting and braking modes.

In the modern digital age, many drives have been developed based on direct numerical torque control of an induction motor based on a vector control system. The goal is to increase the speed of the current loop, implemented on the basis of digital relay controllers. The main difference: it works on the basis of fuzzy logic.

Today, most technological processes are carried out in accordance with technical and economic goals using an AC drive. Therefore, this work is intended for the design of printed circuit boards for induction motors.