

ABSTRACT

In an inverter controlling method for an induction motor, the slip of the motor is detected and an optimum slip which is dependent on the motor constant and the frequency supplied to the motor providing the highest efficiency is calculated, and a voltage manipulated variable is determined from a comparison of the optimum slip and the slip of the motor, and then the voltage manipulated variable is used to form an output voltage instruction or a magnetic flux instruction so that running of the induction motor is controlled with the slip with which the highest efficiency is provided with respect to load variation and frequency variation.