

感應馬達參數自動辨識

Digitally controlled induction motor drive has become the main stream product in the market due to their low cost and flexible hardware structure for intelligent control. Auto-commissioning is one of the most important feature of digital drives because of its high added-value with very low cost. The objective of this paper was to develop an auto-commissioning scheme which can estimate all the required motor parameters and set up the loop gains automatically upon user's request for the motor drive. Besides theoretical analysis and design, the developed control scheme was also implemented and verified experimentally.