

感應馬達之弱磁控制研究

A practical scheme for field weakening control of induction machine drives is proposed in this paper. This scheme utilize control of the stator flux to be inversely proportional to the motor speed when in the field weakening region, and at the same time maintain the rotor flux orientation in order to keep the instantaneous control of the motor torque. Derivation and analysis of the control law is presentation in the paper, and the control scheme is verified with simulation results.