



Controller For Power Converter

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Inventors: Robert Lorenz, Yukai Wang, Takumi Ito

The Invention

A controller for a power converter detects a current output from the power converter, estimates a flux vector of the motor, and calculates a torque line in a physical model resulting from mathematizing a circuit equivalent to the motor, based on the estimated flux vector. The torque line indicates a line for obtaining a desired torque in a subsequent control period. The controller calculates a stator flux command value in accordance with a loss, calculates a voltage command value based on the torque line and the stator flux command value, and controls an output voltage.

Tech Fields

- [Engineering : Engine technologies](#)

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