

Research on DC motor control and applications

Vu Viet Cuong

Abstract: This topic focuses on researching control methods for direct current (DC) motors to enhance operational efficiency in industrial systems. The context for selecting this topic is based on the need to optimize energy and reduce operating costs of DC motors. The main objective is to design and implement a control system by combining modern control theory with experimentation. The research methodology includes model analysis, control algorithm design, and testing on a practical platform. The expected outcome is to provide an effective solution for industrial applications and contribute to the field of electronic engineering science.

Keywords: DC motor, control method, industrial system