

Design of motor control system using STM32 KIT

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Abstract: In the digital technology era, controlling electric motors using STM32 chip-based systems is becoming increasingly important. This topic focuses on designing and implementing a single-phase motor control system using the STM32 KIT with the goal of optimizing system performance and reliability. Through the research process, a combined theoretical and experimental approach is proposed to build the system. The expected results have high applicability in fields such as industrial automation, robotics, and power transmission.

Keywords: motor control, STM32, KIT, automation, power transmission