

Controlling stepper motor with LABVIEW software

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Abstract: In the field of automation, effective control of stepper motors plays a crucial role in many industrial and engineering applications. This project aims to research and implement a stepper motor control system using the LabVIEW software development interface. Through a combination of theoretical and experimental methods, the project will identify optimal control algorithms and test them on actual equipment. The expected results of the project not only demonstrate the feasibility of the system but also provide a foundation for the development of more sophisticated automation solutions.

Keywords: Stepper motor, LabVIEW, Automation, Digital control, Software technology