

Building an automatic rain-sensing wiper system for automotive applications

Ngo Van Hao

Abstract: This topic focuses on designing and implementing an automatic windshield wiper system for cars, aiming to improve vehicle safety and operational performance. Through problem analysis, the research objective is to develop a versatile technical solution capable of handling harsh road conditions. A methodology combining theory and experimentation has been applied to verify the system's effective operation under various environmental states. The expected results will significantly contribute to enhancing the driving experience in adverse weather conditions, thereby improving traffic safety.

Keywords: Automatic rain-sensing wiper system, Automobile, Traffic safety