

Research and build a real model of an electric power steering system in automobiles.

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Abstract: In the context of increasing interest in vehicle safety and fuel efficiency, this topic focuses on researching and implementing an electric power steering system. The goal is to improve driving experience and vehicle stability through modeling and experimentation of the power steering system. The research methodology includes both theoretical and experimental approaches, combining mechanical principles with modern electronic technology. Expected results not only contribute to solving technical challenges but also bring significant application value to the automotive industry.

Keywords: Electric power steering, automotive safety system, electronic technology, driving experience improvement, experimental research