

Research on the structure of automotive air conditioning systems and development of a system model for practice and experimentation.

Tran Anh Dung

Abstract: In the context of the rapid development of electric vehicle and automation technology, research on the structure of automotive air conditioning systems to optimize performance and energy efficiency is necessary. This topic aims to build a model of the air conditioning system for vehicles, thereby serving the process of practice and experimentation. The method combines theory and experimentation to evaluate the effectiveness of solutions. The uniqueness of the topic lies in the application of modeling in a specific automotive environment, contributing to a better understanding of the air conditioning system and promoting future research.

Keywords: Automotive air conditioning system, System modeling, Experimental practice, Performance optimization, Electric vehicle energy