

# **Simulation of the windshield wiper and washer system on a Suzuki Swift car using Autodesk Inventor software**

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**Abstract:** This topic aims to research and build a 3D model of the windshield wiper and washer system on the Suzuki Swift car using Autodesk Inventor software. The background of the topic stems from the need to enhance the driving experience in adverse weather conditions, thereby improving the safety and comfort features of the vehicle. The research method includes performing a detailed analysis of the system structure, mechanical design, and dynamic simulation to ensure optimal performance. The expected results will make an important contribution to the development of windshield wiper and washer technology in the automotive manufacturing industry.

**Keywords:** 3D simulation, Autodesk Inventor, windshield wiper system, Suzuki Swift car, safety technology