

Simulation of hydraulic power steering system on Toyota Corolla

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Abstract: This topic focuses on simulating and analyzing the hydraulic power steering system on the Toyota Corolla model, aiming to provide an in-depth understanding of the operating mechanism of its constituent components. Through theoretical research combined with experimentation, the objective is to design an accurate mathematical model to simulate and evaluate the performance of the power steering system. The expected results will contribute to enhancing technical quality and advancing technology in the field of vehicle dynamics control.

Keywords: Simulation, Steering system, Toyota Corolla, Hydraulic power steering, Experimental testing