

Review of: "Simulation of Control System for a Half-Car Suspension System for Passenger Vehicle Application by Designing an LQR Controller"

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Potential competing interests: No potential competing interests to declare.

This article has some value, but there is a lot of room for improvement.

1. What measuring unit M stands for in table 2?
2. Define the variables meaning on most of the equations presented in the paper.
3. Highlight main differences of the ASS model to PSS model in 2.1 and 2.2.
4. In section 3: In this study, PID and LQR controllers are used,; moreover, the results for PID control implementation or its design was not presented.
5. Apart from Figure 8 which presents the "pitch" mode (which was not even well discussed) al the results and analysis presented could be obtained using the 2 degree of freedom quarter car model, why are we still talking