

# 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.

1. The abstract lacks clarity and coherence, necessitating a revision to ensure a more concise and comprehensible representation of the paper's key contributions. We encourage the authors to refine the abstract for better readability and understanding.
2. The introduction section appears incomplete, lacking citations from recent, pertinent journal papers. To strengthen the scholarly foundation, we recommend incorporating relevant references and providing a robust justification for the proposed scheme to enhance the overall quality of the manuscript.
3. The paper contains several typographical and grammatical errors that warrant thorough review and rectification. We kindly request the authors to meticulously edit the manuscript to ensure a polished and error-free presentation.
4. The visibility of figures is compromised; we recommend that the authors regenerate the figures and graphs, ensuring suitable backgrounds and line colors to enhance clarity and visual appeal for readers.
5. The conclusions section requires a more in-depth rewrite, supported by data, to amplify clarity and impact. Strengthening the conclusions with robust data-driven insights will contribute significantly to the overall strength of the paper.