

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 good development, and the idea is very clear, in addition to its positive results. However, there are certain things that need clarification. While it is understood that as an author, one must trim down the content to show what is essential, there are certain points that are pertinent in a document like this. Among them, I highlight the following:

1. There is a lack of a more detailed review of previous research on the topic, including information on the authors who have worked on it and the methodology they have used.
2. The equations in Section 2 are not clear because their usage is not specified.
3. The units of measurement should adhere to the International System of Units.
4. The idea of comparing LQR and PID controls is good; however, it is not clear to me how PID was implemented in this document.

Nevertheless, I appreciate the effort and the development of this document.