

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 paper presents a method for active suspension control using a linear quadratic regulator (LQR) control approach.
- There are some spelling and grammatical errors in the article
- Symbol for meters is "m" not "M"
- Since the behavior of the damper in the car is very non-linear - therefore, the LQR controller applied in the non-linear model should be verified and also this method should be verified with another control method such as sliding mode control.
- There are many technical ambiguities throughout the text.
- The purpose, motivation and results are not well presented.
- Mathematical relationships need to be revised
- Punctuation is not observed throughout the text