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.

The paper presents a LQR based controller for the half car suspension system. The obtained results are certainly interesting; nevertheless it would be more interesting to compare the proposed approach to an existing approach. The paper is generally well-written but suffers from frequent grammatical problems and some typos. I would recommend a thorough proof-read by a native English speaker.

Comments:

1. What does not come clearly is to whether the complexity of the controller comes at a cost of computation time and other parameters.
2. The mathematical model in section (2) is written directly without derivation. Then, have you derived it or copying it from refs. Please add these refs. If any.