

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

Alfredo Liverani¹

¹ University of Bologna

Potential competing interests: No potential competing interests to declare.

The paper reports the implementation and results of an LQR Controller applied to a half-car suspension. In the paper, the theoretical study is conducted correctly, but it is limited to the theory, not a real and physical implementation.

Unfortunately, many controlled systems, very promising in the theoretical stage, have not been further developed due to important limitations in the implementation. Limiting the discussion to the simulation, the work is well conducted, and I can't recognize problems in the text. Also, the mathematical background has been set up to drive the simulation. The paper may be accepted after some improvement and consideration in terms of the real implementation of the system.