Review of: "Neuro-Fuzzy-Based Adaptive Control for Autonomous Drone Flight"

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Potential competing interests: No potential competing interests to declare.

This paper presents a comprehensive approach to address the control and stabilization challenges associated with quadcopter drones by proposing an intelligent adaptive hybrid controller. This paper can be accepted after major revision.

1. The related works section effectively presents individual studies and their approaches, it could benefit from a more synthesized comparison. Providing a summary or table comparing the different control strategies in terms of their strengths, limitations, and applicability to various UAV scenarios could enhance the readers' understanding of the landscape.
2. It is shown that the proposed approaches are verified by the MATLAB rather than the experiment, so the title Experiments should be corrected as “Simulation Results”.
3. The paper requires a more comprehensive explanation of the design and implementation process of the LQR-ANFIS controller. Specific details on integrating LQR and ANFIS, as well as the role of the extended Kalman filter, would enhance the technical depth of the paper.
4. The indentation after “where” is not standard.
5. Avoid using images directly from the oscilloscope as they might feel depressing. Instead, utilize the plot function within MATLAB to present the data, allowing for a clearer representation.
6. Above Figure 1, there is a missing period.
7. How many fuzzy rules were utilized in the simulation?