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

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Potential competing interests: No potential competing interests to declare.

1. The writing should aim for an academic tone that conveys critical analysis rather than a report of each study.

2. There is redundancy in explaining the importance of UAV stability and safety in Introduction. The points could be consolidated to avoid repetition.

3. The statement (in Introduction) regarding the well-known stability problems could benefit from citing specific studies or statistics that support this claim.

4. Consider organizing the related work into thematic categories or chronological advancements rather than a series of individual studies. This would help to contextualize each piece of research within the broader field and show how they collectively contribute to the current state of knowledge.

5. The related work section ends on the claim of novelty without a detailed explanation of how the LQR-ANFIS algorithm differs from or improves upon existing algorithms. Elaborate on why this combination is innovative and what specific problems it solves.

6. The proposed method section should give a detailed explanation of the LQR-ANFIS controller design. It should provide clarity on how the controller integrates with the existing systems and what makes it superior to other methods.

7. The experiments section needs to clearly demonstrate how the results validate the proposed method. Including comparative performance metrics and statistical analyses would substantiate the claims made.

8. While the paper mentions future work, it should also discuss any limitations of the current study. This provides a balanced view and can be valuable for setting the stage for future research.