Review of: "Numerical Simulation and Computational Fluid Dynamics Analysis of Two-Dimensional Lid-Driven Cavity Flow Within the Weapon Bay of an Autonomous Fighter Drone"

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Potential competing interests: No potential competing interests to declare.

The paper demonstrates a high level of technical rigor by employing numerical simulation and computational fluid dynamics (CFD) analysis. The use of these advanced methods reflects a commitment to precision in studying fluid dynamics within the weapon bay of an autonomous fighter drone.

The paper could benefit from a more explicit justification of why the two-dimensional lid-driven cavity flow within the weapon bay of an autonomous fighter drone is a significant area of study. Providing clearer motivation at the outset would engage readers more effectively. The absence of a discussion or analysis of mesh sensitivity may raise concerns about the robustness of the numerical results. Including this analysis would strengthen the validity of the simulation outcomes. Comparison with Previous Studies: The paper does not explicitly discuss how its findings compare with those of previous studies in the same or related areas. Including such comparisons would provide context and contribute to the cumulative knowledge in the field.