

ReviewForm3

JournalName:	JournalofEngineeringResearchandReports
ManuscriptNumber:	Ms_JERR_130184
TitleoftheManuscript:	AircraftPitchControlusingTransformationMatrixT
TypeoftheArticle	OriginalResearchArticle

PART1:Comments

	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	This manuscript provides significant contributions to the field of aircraft control systems by proposing a robust pitch control method based on the Ackerman formula and Transformation Matrix T. By addressing limitations in conventional PID controllers, the study highlights a systematic approach to achieve precise pitch control, essential for ensuring stability during critical flight phases like take-off and descent. The integration of mathematical modeling with simulation results offers valuable insights into designing high-precision control systems for modern aviation. These findings can serve as a foundation for further research into adaptive and intelligent control strategies for enhanced aircraft performance and safety.	
Is the title of the article suitable? (If not, please suggest an alternative title)	The title, "Aircraft Pitch Control using Transformation Matrix T," is clear and concise, reflecting the manuscript's primary focus. However, it could be slightly refined for better precision and appeal to the scientific community. For example: "Design and Simulation of Aircraft Pitch Control Using the Transformation Matrix T"	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in the introduction section? Please write your suggestions here.	The abstract is informative and provides a good overview of the study, but it can be improved for clarity, conciseness, and comprehensiveness. Simplify the language to ensure it is accessible to a broader audience. Highlight why the proposed method is important compared to existing methods, such as its advantages over conventional PID controllers. Mention the novelty of the approach, such as the use of Transformation Matrix T to overcome specific challenges.	
Is the manuscript scientifically correct? Please write here.	The manuscript is scientifically correct in its approach, methodology, and conclusions. However, addressing the concerns above would make it more robust and impactful for the scientific community.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The manuscript does not reference newer advancements in control systems, such as adaptive control, machine learning for pitch control, or recent applications in modern aviation technologies. Update the reference list by incorporating more recent research (2018–2023) that discusses advancements in aircraft control systems, particularly applications of state feedback and Ackerman's formula.	
Is the language/English quality of the article suitable for scholarly communications?	While the language is generally comprehensible, polishing the grammar, sentence structure, and tone will enhance its scholarly quality. I recommend a thorough language editing pass, focusing on simplifying complex sentences, correcting grammar and syntax errors, and maintaining consistent terminology and formatting.	
Optional/General comments	The article is well-structured and technically sound but needs improvements in language clarity, updated references, consistent formatting, and deeper discussion on real-world applications to enhance its impact and suitability for scholarly publication.	

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PART 2:

	Reviewer's comment	Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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