

ReviewForm3

JournalName:	Journal of Engineering Research and Reports
ManuscriptNumber:	Ms_JERR_130184
TitleoftheManuscript:	AircraftPitchControlusingTransformationMatrixT
TypeoftheArticle	OriginalResearchArticle

PART1:Comments

	Reviewer'scomment	Author'sFeedback(Pleasecorrectthemanuscriptandhighlightthatpart inthemanuscript.Itismandatorythatauthorsshouldwritehis/herfeedback here)
Pleasewriteafewsentencesregardingtheimportance 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 pitchcontrolmethodbasedontheAckermanformulaandTransformationMatrixT.Byaddressinglimitationsin 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 systemsformodernaviation.Thesefindingscanserveasafoundationforfurtherresearchintoadaptiveand intelligent control strategies for enhanced aircraft performance and safety.	Thank you so much for the comments
Isthetitleofthearticlesuitable? (Ifnotpleasesuggestanalternativetitle)	Thetitle,"AircraftPitchControlusingTransformationMatrixT," isclearandconcise,reflectingthemanuscript'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"	We have changed the title. Thank you
Is the abstract of the article comprehensive? Do you suggesttheaddition(ordelation)ofsomepointsinth is 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 conventionalPIDcontrollers.Mentionthenoveltyoftheapproach,suchastheuseofTransformationMatrixTto overcome specific challenges.	We have improved the abstract by adding the advantages of the proposed method
Isthemanuscriptscientifically,correct?Pleasewrite here.	Themanuscriptisscientificallycorrectinitsapproach,methodology,andconclusions.However,addressingthe concerns above would make it more robust and impactful for the scientific community.	Thank you for the comments. We have updated the methodology.
Arethereferencesufficientandrecent?Ifyouhave suggestions of additional references, please mention them in the review form.	Themanuscriptdoesnotreferenceneweradvancementsincontrolsystems,suchasadaptivecontrol,machine learningforpitchcontrol,orrecentapplicationsinmodernaviationtechnologies.Update thereferencelistby incorporatingmorecentresearch(2018–2023)thatdiscussesadvancementsinaircraftcontrolsystems, particularly applications of state feedback and Ackerman's formula.	We have updated the references.
Isthelanguage/Englishqualityofthearticlesuitable for scholarly communications?	While the language is generally comprehensible, polishing the grammar, sentence structure, and tone will enhanceitsscholarlyquality.Irecommendathoroughlanguageeditingpass,focusingon simplifyingcomplex sentences, correcting grammar and syntax errors and maintaining consistent terminology and formatting.	We have corrected the grammar.
Optional/Generalcomments	The article is well-structured and technically sound but needs improvements in language clarity, updated references,consistentformatting,anddeeperdiscussiononreal-worldapplicationstoenhanceitsimpactand suitability for scholarly publication.	We have improved the grammar

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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>	