

Review Form 3

Journal Name:	Asian Research Journal of Mathematics
Manuscript Number:	Ms_ARJOM_122832
Title of the Manuscript:	Independent Domination Topology induced by Helm Graph
Type of the Article	Original Research Article

[Review Form 3](#)

PART 1: Review Comments

<u>Compulsory</u> REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<p>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</p>	<p>The paper presents a novel approach by combining graph theory and topology, particularly in the context of independent domination, which adds a new dimension to the study of graph topologies. The results are mathematically rigorous, with proofs provided for all theorems and lemmas discussed. The paper suggests areas for further research, including extending the analysis to other graph families and exploring additional operations.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>The current title, "Independent Domination Topology Induced by Helm Graph," is descriptive but could be refined to more effectively capture the essence of the research. Here are a few alternative titles that might better convey the focus and significance of the work: "Characterization of Independent Domination Topologies in Helm Graphs" "Independent Domination and Topological Structures in Helm Graphs" "Induced Topologies of Independent Domination in Helm Graphs"</p>	
<p>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</p>	<p>The abstract should be more concise and clearly state the main contributions and findings of the paper. Consider summarizing the key results more effectively and avoiding redundancy.</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>Clarity and Flow: The introduction could be more structured. Start with a brief overview of graph theory and topology, then introduce the concept of independent domination topology. Ensure each paragraph logically follows the previous one. Terminology: Some terms and notations are introduced without sufficient explanation, assuming prior knowledge. Ensure that all terms (e.g., "domination topology") are clearly defined when first mentioned.</p>	
<p>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</p>	<p>Potential for Further Research: The paper identifies areas for further exploration, such as extending the study to other graph families and exploring unary operations on graphs. This forward-looking perspective not only strengthens the manuscript's contribution but also indicates its relevance to ongoing research in the field. Applicability to Broader Topics: While the focus is on helm graphs, the methods and findings have potential applications in other areas of graph theory and topology. The generalizable nature of the results suggests that the research is not only relevant to a niche area but could also inform related studies.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>Completeness: Verify that all references are complete, including all necessary publication details like volume, issue, and page numbers.</p>	
<p><u>Minor</u> REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>Passive Voice: The paper frequently uses the passive voice, which can sometimes make the writing less direct. Consider revising sentences to be more active. Grammar: There are minor grammatical errors, such as subject-verb agreement and punctuation issues. Proofread the paper for these errors.</p>	
<p><u>Optional/General</u> comments</p>	<p>Strengthen the Conclusion: The conclusion should be more assertive in summarizing the findings and implications of the research. Consider adding a sentence or two about potential practical applications of the results or how they might influence future research.</p>	

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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>	

Reviewer Details:

Name:	Akshaya V
Department, University & Country	Nesamony Memorial Christian College, India