

Review Form 3

Journal Name:	Asian Research Journal of Mathematics
Manuscript Number:	Ms_ARJOM_122754
Title of the Manuscript:	Hilbert Graceful Labeling on Complete Multipartite Graph
Type of the Article	Original Research Article

Review Form 3

PART 1: Review Comments

Compulsory 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 successfully proves that various types of complete multipartite graphs, such as $K_{\{1,m,n\}}$, $K_{\{2,m,n\}}$, $K_{\{1,1,m,n\}}$ and $K_{\{m,n,l\}}$, are Hilbert graceful. The proofs are presented systematically, with clear definitions and step-by-step constructions of the labeling functions.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>Yes, In my view the title is suitable.</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 authors have included a sentence in the end of the abstract regarding their contributions. They shall specify their exact contributions in the abstract</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>Yes, they are appropriate.</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>The proofs are correct. The introduction of Hilbert graceful labeling is a significant contribution to graph theory, expanding the scope of labeling methods and offering new avenues for research.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>Yes, they are sufficient.</p>	
<p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>The following changes shall be made in order to further improve the article.</p> <ol style="list-style-type: none"> 1. In abstract "Let G be a simple, finite, connected, undirected, non-trivial graph with p vertices and q edges. Let V(G) be the vertex set and E(G) be the edge set of G." 2. In abstract replace "This research aims to prove some complete multipartite graphs are Hilbert graceful" with "This research aims to prove that some complete multipartite graphs are Hilbert graceful" 3. In introduction replace "Graph labeling is a branch of graph theory that continues to develop" with "Graph labeling is a branch of graph theory that has continued to develop" 4. In introduction replace "Motivated by the above articles, the new type of graceful labeling called Hilbert graceful labeling is introduced in this paper and Hilbert graceful labeling of some complete bipartite graph is studied" with "Motivated by the above articles, this paper introduces a new type of graceful labeling called Hilbert graceful labeling and studies Hilbert graceful labeling for some complete bipartite graphs" 	
<p>Optional/General comments</p>	<p>The paper is good. However, suggested minor changes may be made and the paper be checked for language improvement.</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>	

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