

Review Form 1.7

Journal Name:	Asian Research Journal of Mathematics
Manuscript Number:	Ms_ARJOM_118727
Title of the Manuscript:	Finite-time synchronization of fractional-order quaternion-valued neural networks under aperiodically intermittent control: A non-separation method
Type of the Article	

PART 1: Review Comments

	Reviewer's comment	Author's comment (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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1. The manuscript is significant for the scientific community because it tackles a difficult issue that has received limited attention in existing literature: finite-time synchronization in fractional-order quaternion-valued neural networks (FOQVNNs) under aperiodically intermittent control. This paper offers novel approaches to theoretical analysis with reduced computational complexity by introducing quaternion symbolic functions and suggesting a non-separation method. The findings have significant implications in various fields such as signal processing and control systems. The results lead to improvements in practical applications. Overall, the manuscript methodological and theoretical contributions close a significant research gap.</p> <p>2. Yes</p> <p>3. Yes, the abstract of the article is comprehensive as it effectively summarizes the main aspects of the research, including the problem statement, methodology, contributions made and validations conducted.</p> <p>4. Yes, the structure seems logical and well-organized, facilitating a clear presentation of the research problem, methods, and results.</p> <p>5. Yes</p> <p>6. Adding current references would enhance the manuscript's comprehensiveness and ensure that it is up-to-date with latest developments in related fields like aperiodically intermittent control, recent work on quaternion-valued neural networks and fractional-order systems.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>In this paper maintained a technical terminology is relevant to the field and clear structure in write up also.</p> <p>Improvements Required: Minor grammatical corrections are there for enhancing the readability of article. Like sentences "It is precisely because the commutative law of quaternion multiplication is not satisfied that we may need to analyze the QVNNs with the help of RVNNs and CVNNs" needs revisions.</p>	
<p>Optional/General comments</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:

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