

**Review Form 3**

Journal Name:	<b>Journal of Advances in Mathematics and Computer Science</b>
Manuscript Number:	<b>Ms_JAMCS_122491</b>
Title of the Manuscript:	<b>Remarks on attractors for two temperature phase transition system</b>
Type of the Article	<b>Original research</b>

**Review Form 3**

**PART 1: Review Comments**

<b>Compulsory</b> REVISION comments	Reviewer's comment	<b>Author's Feedback</b> <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
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.	Dynamical systems' analysis is a key aspect in describing the behaviour of most systems by looking at stabilities around the trajectories. The paper has an interesting objective in characterizing the system's attractors in terms of its dimension. It attempts to prove the existence of an exponential attractor which is one of the properties for characterizing the dimension of a global attractor. Hence, the manuscript provides an avenue for more research in studying other approaches for estimating these dimensions.	
Is the title of the article suitable? (If not please suggest an alternative title)	Since, in one of the author(s) paper also under review, the asymptotic behaviour in terms of global attractor had been obtained and numerical simulations presented (reference #14), the current paper's title in my opinion sounds more abstract since additional properties on attractors have already been addressed elsewhere. The title should be more precise, "On proving the Existence of an Exponential Attractor for a Two Temperature ....."	
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.	The abstract is clearly communicative, however, if the author(s) would add other methods that are used in describing/determining the dimension of a global attractor and then specify the approach they intended to employ in their work	
Are subsections and structure of the manuscript appropriate?	Subsection 1 had already been addressed in another paper under review, and instead of re-doing it, maybe the author(s) would consider substituting it with "preliminaries" or something else related to the current study's objective. Other sections are okay, except that the paper lacks declarations section	
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.	As explained in the first comment, the paper has attempted to address more on the asymptotic behaviour of the system under study. It clearly highlights the importance of describing the dimension of a global attractor by proving the existence of an exponential attractor. This indicates that it is not only proving the existence of an attractor, but also describing more properties regarding it.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references are sufficient and recent.	
<u>Minor</u> REVISION comments  Is the language/English quality of the article suitable for scholarly communications?	Sure.	
<u>Optional/General</u> comments	Since the paper is not addressing the value of the dimension but only describes its property, How I wish if more approaches could be highlighted even without proving them, but just making the readers be aware of other approaches which can be employed.	

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**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <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>
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

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