

Review Form 3

Journal Name:	Asian Journal of Research and Reviews in Physics
Manuscript Number:	Ms_AJR2P_127097
Title of the Manuscript:	Global Thermal instability in the spherical interstellar clouds
Type of the Article	Original Research Article

Review Form 3

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<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>	<ul style="list-style-type: none"> ➤ The study's contribution to the literature is valuable, especially with the focus on how spherical perturbations can alter the instability criterion compared to previous works that used flat geometry. ➤ The structure is logical and coherent, but the language is not clear. However, there are sections that could benefit from further clarification, particularly in Section 3, where the linear perturbation analysis could be explained in simpler terms for readers not deeply familiar with the mathematical formalism. ➤ The writing is technical but appropriate for the audience. It would help to simplify some of the mathematical descriptions or provide more detailed step-by-step explanations for readers unfamiliar with the specific perturbation methods used. 	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>Yes, But, "Investigating Global Thermal Instabilities in the Spherical Clouds of the Interstellar Medium" It may be considered</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>Abstract needs to be rewrite again</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<ul style="list-style-type: none"> ➤ Add more recent studies to strengthen the literature review. ➤ Include a schematic diagram or flowchart to clarify the methodology. ➤ Add comparison graphs and two additional points summarizing key inferences from the literature 	
<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>	<ul style="list-style-type: none"> ➤ Clearly state the novel contributions of your work and key observations in both the abstract and conclusion. ➤ Expand the reference list with more relevant and recent sources. ➤ Include comparisons with previous studies to highlight the significance of your findings. ➤ Revise the conclusion to avoid repetition with the abstract and to better summarize key findings. 	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. =</p>	<p>Need to be modified as per journals Asian Journal of Research and reviews in Physics,</p> <ul style="list-style-type: none"> ➤ Standardize the references. Some have DOIs, others do not. Ensure consistency and include full details (Year, Volume, Issue, Pages) for all. ➤ Check the citation style, especially in the introduction, to ensure consistency with journal guidelines. ➤ Review the formatting of the reference list to match the journal's citation style. 	

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<p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>➤ No, it needs to be improved.</p>	
<p><u>Optional/General</u> comments</p>	<p>The manuscript was in good shape and may be accepted after a few major revisions as stated below</p> <ul style="list-style-type: none"> ➤ It looks like Book Chapter, It must be rewritten for publishing in “Asian Journal of Research and Review in physics”. ➤ Ensure all abbreviations and acronyms are defined at their first mention. ➤ Proofread the manuscript carefully to correct grammar and punctuation issues throughout. ➤ Avoid using “We” in the paper. Maintain an objective and impersonal tone. ➤ Rephrase unclear expressions like “We turned around attention” for clarity. ➤ Correct subject-verb agreement errors in multiple sections. ➤ Ensure consistent spacing and formatting throughout the manuscript. 	

PART 2:

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

Reviewer Details:

<p>Name:</p>	<p>P. Vijayakumar</p>
<p>Department, University & Country</p>	<p>Anna University, Nehru Institute of Technology, India</p>