

Review Form 3

Journal Name:	International Astronomy and Astrophysics Research Journal
Manuscript Number:	Ms_IAARJ_122801
Title of the Manuscript:	Energy Conditions and Statefinder Diagnostic in $f(R, T)$ Gravity with an Anisotropic Background
Type of the Article	Original Research Article

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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>Significant scientific content is mentioned in this manuscript. This subject can be acceptable for publishing.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>The title of this manuscript is ambiguous and needs to be corrected.</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>Yes.</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>The subsections and structure of the manuscript are not 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 manuscript titled "Energy Conditions and Statefinder Diagnostic in ($f(R,T)$) Gravity with an Anisotropic Background" presents a comprehensive analysis of the energy conditions and their implications in the context of modified gravity theories, specifically ($f(R,T)$) gravity, which is a compelling framework for addressing the cosmological challenges. The approach taken to examine the energy conditions within an anisotropic background demonstrates a profound understanding of both the mathematical formalism and the physical implications of such scenarios. The inclusion of the statefinder diagnostic provides a robust method for differentiating between various cosmological models and can potentially shed light on the nature of dark energy. In general, the integration of theoretical constructs with practical implications indicates that the manuscript is scientifically rigorous and contributes meaningfully to the field of modified gravity and cosmology.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>It is suggested that the authors use more recent references.</p>	
<p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>The English language of the article should be native.</p>	
<p>Optional/General comments</p>	<p>-</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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