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Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_24990
Title of the Manuscript:	Kaluza-Klein Bouncing Cosmological Model in General Relativity
Type of the Article	

General guideline for Peer Review process:

This journal's peer review policy states that <u>NO</u> manuscript should be rejected only on the basis of '<u>lack of Novelty'</u>, provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if gareed
		with reviewer, correct
		the manuscript and
		highlight that part in the
		manuscript. It is
		mandatory that authors
		should write his/her
		feedback here)
Compulsory REVISION	The authors study bouncing cosmological solutions for Kaluza-Klein space-time within the	
comments	They specify the 5D metric and all the conditions needed to solve the field equations and to	
	obtain the cosmological quantities of interest.	
	There are some issues with the presentation. Motivations, goals and methodology are not well exposed.	
	The original part of the manuscript must be emphasized more. I could suggest to the authors to highlight	
	the connection between the early and late time acceleration that is only mentioned in the final	
	discussion.	
	Despite the analytical results, this is an important point that need a further discussion.	
	Moreover, nothing is said about the stability of their solutions. Finally, the plots are completely	
	unreadable.	
	– Proofreading is needed.	
	– References needs to be inserted when author use known results.	
	- Eq. (15), that allow the author to solve the field equation, should be further discussed (not only mentioning the reference)	
	- Plots can not be seen in the current format. Authors should increase the size and resolution of the plots. Moreover, authors should put the right variables on the axis.	

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Minor REVISION	- Update references: some references have been published. Therefore, instead of writing the	
comments	DOI code (or just the arxiv cose) it would better if authors supply the journal reference.	
	- In the introduction, authors list a series of previous works about bouncing cosmological	
	models in modified gravity, as well as for Kaluza-Klein model. However, it is slightly obscure	
	the aim of the paper. I invite the authors to further clarify the aim of their work with few	
	cosmological model	
	- In eq. (1), it would be better to replace A and B with A(t) and B(t).	
	- In order avoid misunderstandings for the reader, the authors should use Greek sub-indices to	
	indicate tensor or vector with 4 components (space and time) while Latin ones for spatial	
	vector, as customary. Or, in alternative, they should indicate in the text that Latin indices vary	
	from 0 to 4.	
	- Section 2: The theoretical framework should be explained in more details	
	- Section 2. The incoretical framework should be explained in more details.	
	- Section 3: The plots and results should be explained in more details. Authors should better	
	organize that section since it appear just as a list of results.	
	- Author must highlight which are the novel results of their paper and their importance. They	
	should explain if the early-time bouncing solution is stable, and mention what they expect (for	
	this model) at late time. In other word: How do authors explain the late time acceleration in the	
	tramework of this model (if they can)? Despite the fact that the author illustrate a new solution:	
Ontional /Conoral	wity are these results important?	
comments		
comments		

Reviewer Details:

Name:	Anonymous
Department, University & Country	Spain