Review Form 1.6

Journal Name:	**Asian Research Journal of Mathematics**
Manuscript Number:	**Ms_ARJOM_84424**
Title of the Manuscript:	**The differential equations of gravity-free double pendulum: Lauricella hypergeometric solutions and their inversion.**
Type of the Article	**Original Research Article**

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', 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:

(https://www.journalarjom.com/index.php/ARJOM/editorial-policy)

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)*
Compulsory REVISION comments		

Minor REVISION comments	1. The introductory section is short, it should be extended to cover:
	  • The cons/pros of the method
	  • Main motivation of the work
	  • Updated review literature
	2. List of symbols and notations is needed to help the journal readers.
	3. The analyticity conditions on all functions in the DE under investigation should be mentioned.
	4. Cite the following chapter, to help the reader to go with ease in the work:
	Koepf W. (2014) Hypergeometric Identities. In: Hypergeometric Summation. Universitext. Springer, London. https://doi.org/10.1007/978-1-4471-6464-7_2
	5. Please refer to https://doi.org/10.48550/arXiv.2104.13211	

Optional/General comments	The article is good, well-written, it deserves publication in Asian Research Journal of Mathematics after addressing all the above-mentioned comments.	

PART 2:

	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)*
Are there ethical issues in this manuscript?	*(If yes, Kindly please write down the ethical issues here in details)*	

Reviewer Details:

Name:	**Youssri Hassan Youssri**
Department, University & Country	**Cairo University, Egypt**