

Review Form 1.7

Journal Name:	Asian Journal of Physical and Chemical Sciences
Manuscript Number:	Ms_AJOPACS_117062
Title of the Manuscript:	ANALYSIS OF THE ORBITATION AND ROTATION OF CELESTIAL BODIES
Type of the Article	Short communication

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.journalajopacs.com/index.php/AJOPACS/editorial-policy>)

Review Form 1.7

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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1. The submitted 6-page manuscript, including 5 figures, declared as "short communication", introduces the so-called Theory of Dynamic Interaction (TDA) for celestial bodies, developed by the author, involving comments to selected test results.</p> <p>2. The title of the article is suitable. However, it is identical with that of [B] Barceló, G., Analysis of the orbitation and rotation of celestial bodies, <i>Journal of Applied Mathematics and Physics</i> 11 (2023), 2765–2774.</p> <p>3. Unlike [B], this manuscript contains no abstract formally. Its first 3 paragraphs can be seen as <i>Introduction</i>, although no such section title occurs in the text.</p> <p>4. In addition to <i>Introduction</i> (see above), the manuscript consists of 3 unnumbered sections: <i>Theory of dynamic interactions</i>, <i>Results of the tests</i> and <i>Conclusions</i>; this structure can be respected.</p> <p>5. The manuscript refers to several author's publications, namely to [B], supported by some experimental results, which seem to guarantee the validity of conclusions coming from TDA. Nevertheless, no mathematical formulae are presented in this manuscript; [B] demonstrates just one formula, whose symbols are not defined properly, taken from the author's book <i>New Paradigms in Physics II</i> (2018), which is not quite reader-friendly.</p> <p>6. The choice of brief <i>References</i> is acceptable, but their form must be revised carefully: i) items 1, 2, 3 and 5 are identical, as well as items 6 and 9, ii) the crucial source [B] is included only as a hypertext reference in <i>Theory of dynamic interactions</i>, iii) typesetting of particular items is rather strange.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>1. The English style is acceptable.</p> <p>2. Imperfect typesetting occurs: see e.g. the non-unified letter types in section titles, or the bad quality of <i>Figure 1</i> in comparison with the same <i>Figure 1</i> in [B].</p>	
<p>Optional/General comments</p>	<p>The manuscript demonstrates the longstanding author's work on TDA and its applications, thus its publication could be recommended. Unfortunately, its substantial parts, including all 5 figures, are very similar to those presented in the more extensive study [B], thus the aim of just this "short communication" should be explained in more details.</p>	

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)
<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:

Name:	Jiri Vala
Department, University & Country	Brno University of Technology, Czech Republic