



SDI Review Form 1.6

Journal Name:	British Journal of Mathematics & Computer Science
Manuscript Number:	Ms_BJMCS_24446
Title of the Manuscript:	The behavior of two coupled mechanical oscillators in non-linear fields and the possibility of obtaining controlled halts
Type of the Article	Original research papers

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.

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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)
<u>Compulsory</u> REVISION comments	Line 36: "describes" instead of "describe" Line 39 and others: word check: "resort". Perhaps replace with "device". Line 40: "At the same time", not "In the same time". Lines 40/41: "nonlinear strong at the ends of the race"? Line 72: "From a mechanical..." (...) "<u>that</u> describe..." Line 76: word check: "implied"? Line 124: word check: "adnotating"? Line 128: "separately", not "separate". Revise: "as in the follows". Line 141: revise: "in respect with condition". Line 148: suppress "symbolic". Many other language mistakes/improprieties... <u>This reviewer believes that the whole paper is in need of a good English revision.</u>	Dear Sir! Thank-you for your feedback and comments. On those highlighted by you, we can mention the following: 1. The present work belongs to a group of two scientific papers, the first one being already accepted and this second paper is a natural continuation of the previous work. 2. We are committed to make the corrections required by the structure, content and English grammar in the revised version of this article.
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments	The paper is sound and describes an interesting, if somewhat elementary, application of algebra. Exploration of the nonlinear dynamics of the system is rather limited, circumscribed to the "halting" phenomenon, but that was an authors' choice. One issue should perhaps be discussed: given that the experimental apparatus will indeed have energy dissipation, what will be actually observed are only	3. The approached effect was intensively studied by the authors, in a period of about two years, but we intend to present a strictly theoretical result, not an experimental one in the present work.



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	transients. How do they relate to the “steady-state” analytical solutions found by the authors?	4. The effect was firstly experimentally achieved and then we tried to explain it from scientific point of view, to find the analytical solutions, that actually are the solutions of a limited experimental case. However, the solutions can be implemented in the found form within a wider application to interconnect the phenomenon with other heat transfer phenomena, involving the time as an independent variable .This was the reason to find an analytical formula. Thank you for your suggestions. Best regards!
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