



SDI Review Form 1.6

Journal Name:	<u>British Journal of Mathematics & Computer Science</u>
Manuscript Number:	2015_BJMCS_17220
Title of the Manuscript:	Sloshing of heterogeneous liquid in partially filled tanks: Example of a vibration system without compactness
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:

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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)
Compulsory REVISION comments	- References cited in the present study are short and can not cover the sloshing research. Some new or classical sloshing papers should be considered here. It means that the introduction should be enriched. - A benchmark case should be provided to validate the proposed model. - The organization and expression can be better and clearer.	Many thanks to the reviewer for his valuable comments. I agree with him for the minor typos of the article. - According to his suggestions we have added the references [10, 11, 12, 13] see (pp 12- 13) of my revised paper, on the other hand we have enriched the introduction by a third paragraph (see p 2): For sloshing of an inviscid..... we refer to the reference [2]. - Our model can be validate in the case of Rayleigh : We consider the density in the equilibrium position at the form $\rho_0 = \frac{3}{2} \times \frac{ke}{x_3} ; k, Cte 0 .$ - The organization was improved according to his remarks
Minor REVISION comments	- A title should be given to the figure on page 2. - Equations used in the paper should be numbered and the relating variables should be explained. 'tht' should be changed to 'the' in section 4. 'It spectrum' should be 'Its spectrum' below Eq.(3) - It is advised to check the similar errors carefully	- We have given a title for the figure : (see p 3) :Fig1: Model of the System. - We have added the numbered equations (4),..., (14) and a list of the principal variables (see Notations p 1). - We have replaced 'tht' by 'that' (see p 4). - We have replaced 'It' by 'Its' (see p 6). - We have added 'inviscid' (see p 2), by virtue of (6) (see p 8), and using (8), (9) (see p 9), and by virtue of (12) (see p 10).



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<u>Optional/General</u> comments	This study is significant for the problem of heterogeneous liquid sloshing and deserves to be published in BJAST after the requested revisions.	