



SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	2015_PSIJ_18109
Title of the Manuscript:	DYNAMIC BUCKLING LOAD OF AN IMPERFECT VISCOUSLY DAMPED SPHERICAL CAP STRESSED BY A STEP LOAD
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.

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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	<ol style="list-style-type: none"> 1. Eq. (8) seems to be mistyped. A plus sign may be needed after the second term of this equation. For the reason of safety, please check all the equations in this article. Be sure that they are all correct. 2. In the 178th line, the authors equated the coefficients of $\cos Rt$ and $\sin Rt$ to zero for ensuring a uniformly valid asymptotic solution. I suggest more explanations of "this uniformly valid asymptotic solution" may be needed. 	
<u>Minor</u> REVISION comments	<ol style="list-style-type: none"> 1. Some of equation numbers appear before equations. Some of them appear in the next lines; thus, reading this article is difficult. 2. In the 219th line, the authors wrote Eq. (34) was used to derive displacements. But, Eq. (34) didn't exist. Only Eq. (34a) or (34b) exists. 	
<u>Optional/General</u> comments	<ol style="list-style-type: none"> 1. If possible, use a better science plotting software to re-plot two figures in the article. Some science plotting software free and allow a Greek symbol as the name of an axis; thus, it doesn't need to define special axis names such as λ and \bar{z}. 2. Figure 1 was plotted using $\bar{\zeta}_2 = 0.03$. Such a prerequisite may be listed inside this figure, since it is difficult to understand similar data from Section 4. Similar problems are found in inspecting how Figure 2 was plotted. 	

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