



SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_24520
Title of the Manuscript:	Calculation the Thermal Conductivity of Nanofluids containing Aligned Ultralong Single Walled Carbon Nanotubes
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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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	<p>Changes which must be made before publication.</p> <p>1-First of all , completeness of the study is poor and this study is lack of all detail information of the aim of study. There should be more supporting ideas and examples, Tests and formulation specific to this study.</p> <p>2- It is recommended to give more details on the how they concentrate on improving the proposed model with the use of Theoretical Method. Is there any novel idea or not.</p> <p>3- Provide a comparison with other models in the literature.</p> <p>4- In the state-of-the-art review, no experimental works in the subject were mentioned. However, some works could be useful, even for comparison purpose.</p> <p>5- The results presented at the end of the paper are not well commented. Please give well comments.</p>	<p>Thank you for your comments. We are pleased to explain the revision of manuscript as followings:</p> <p>1- We have made clear the aim of this study. As we all know, there have been many studies on nanofluids containing MWCNTs and SWCNTs. However, AL-SWCNTs nanofluids is a new idea to further improve the thermal conductivity of nanofluids, and there are no studies on both experimental and theoretical about this nanofluid. This study is only calculations, no tests, no experimental, however this study have new ideas and can open up the potential for unique high thermal conductivity nanofluids.</p> <p>2- We have added more details on improving proposed model.</p> <p>3- We have also added some comments for comparison with other models in part 2 "Calculation Method" of manuscript.</p> <p>4- As mentioned in manuscript, AL-SWCNTs are most ideal additive for nanofluids owing to their small diameter, large length, unique</p>



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		<p>thermal conductivity, and high orientation for heat transfer. However so far there are no experiments or theories on this issue, so there are no experimental works about AL-SWCNTs nanofluids were mentioned. However, we have added some mentions about the experimental results on multiwalled carbon nanotubes (MWCNTs) nanofluids in revised manuscript.</p> <p>5- We have added some comments in the results of manuscript.</p>
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		