



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)
<u>Compulsory</u> REVISION comments	The manuscript was clearly and well written except a few minor improvements. Reference number 25 was not cited or quoted anywhere in the manuscript, therefore better to delete from the list and rearrange the reference number accordingly.	Thank you for your comment. We've added the citation of the reference number 25 in the revised manuscript (line 167 in page 6).
<u>Minor</u> REVISION comments	If we want to discuss about concentration effect on the thermal conductivity better to plot the thermal conductivity at y axis and concentration as an x axis for various lengths so we can clearly see the impact or trend. Suggestion to plot this graph whenever the author wants to discuss their correlation or trend.	Thank you for your comment. Because the concentration of CNTs in nanofluids is very small (about 1% of volume, equivalent to $\epsilon \approx 0.01$), therefore the correlation between the concentration of CNTs and thermal conductivity of nano fluids is linear. Furthermore the influence of CNTs structure (diameter and length) to the thermal conductivity of the CNTs-nanofluids is important issue for discussion. Therefore, we focus investigated the dependent of nanofluid's thermal conductivity on SWCNTs structure. From the above reasons, we are pleased to be selected plotting the thermal conductivity at y axis and SWCNTs structure (diameter and length) as an x axis for various concentrations.
<u>Optional/General</u> comments	Better to mention clearly whether the studied nanotube is hollow or not. If yes what is the inside and outside diameter.	Thank you for your comment. The studied nanotube is single walled carbon nanotubes (SWCNT), so it is hollow. The inside diameter and outside diameter of SWCNT approximately the same (various values in this research, .