



SDI Review Form 1.6

Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	Ms_BJAST_30224
Title of the Manuscript:	Simulation of Heat Conduction using An Hybrid Floating Walk and Markov Chain Technique
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	- Provide next to explanation of nodes used within the proposed new technique also some example temperature calculation, within the case studies presented, the tables are there, but it is not clear how the results are generated. Also the time of interest is not mentioned, I assume this is in steady state condition for all the different cases - Do you have some more recent articles to refer to, most of the articles are quite old - Introduction about FE is really general, to me, the problem is not really well described...	*Additional sentence has been added to clarify the statement of the problem. The whole idea is to improve on the capability and execution time of the floating walk/probability technique which has been largely abandoned due to the its execution time; although the computer resource demand is lower than that of FE and FD. *Two additional recent literature have been added. *All cases considered were steady state. *Demonstrative matrices construction have been included as examples.
<u>Minor</u> REVISION comments	- Part of the text contains less fluent English language, maybe ask for English native speaker to correct it. - Use a colour plot to show the numerical simulation results next to the table together with coefficient of variation - On figure 7, the markers disturb the whole graph, please remove the markers	The grammatical tenses for the manuscript has been revised The markers have been removed
<u>Optional/General</u> comments		