



SDI Review Form 1.6

Journal Name:	<u>British Journal of Applied Science & Technology</u>
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)
Compulsory REVISION comments	*The topic and the write up should state whether the study is on Steady State or Transient Heat Conduction (I am aware that the study is on steady state heat conduction, but it should be clearly stated) *The abstract should be revised *The steady state heat conduction equation was not included in the paper nor the equation for the conversion of the differential equation to an algebraic form *There is no rigorous mathematical background *Fig 1 was not referenced *Fig 2 is not clear – should be enlarged * which computer hardware was used – the configurations? *In Table 2, which solution points were used for the results? *Fig 5 is distracting – it should down played and also Fig. 8 *Fig 7 is not clear *The discussion of the results are scanty – the results should be adequately discussed *The results of the HFWMC could be compared with problems with known exact solution *The formatting of the references is poor – which system is used?	*The word 'steady' state has been included in the title *The abstract has been revised *The governing equation has been included in section 2.1. while proper reference to Haji-Sheikh and Sparrow that contained detailed mathematical analysis using floating walk has been done. Detailed mathematical analysis using Markov Chain has already been included. However the algebraic equation that formed the basis for markov chain application has been included *Fig. 1 was referenced in section 2.1 *Additional statement has been included to clarify the solution points for Table 2 *Figs. 5 , 8 and 10 have been removed *Fig. 7(now fig. 6) has been expanded for clarity *The reference section has been reformatted and well referenced in the body of the write up
Minor REVISION comments		



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<u>Optional/General</u> comments		
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