



SDI FINAL EVALUATION FORM 1.1

PART 1:

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 Article:	Original Research Article



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PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
The quality of the article has been improved considerably, but there are still many things to do to further enhance the worth of the paper. Page 3: Equation 1 - The terms of Equation 1 should be stated; $T = ?$, $q = ?$, $k = ?$... 3rd to the last sentence - The sentence – “If the selected random number is less or equal to then ...” 'something is missing between to and then' Page 5: Fig 2 is still not clear – should be enlarged Page 9: Any information on T_{15} to T_{19} in the matrix? Page 10: The information on the configurations of the computer hardware used, was not provided. This would help to relate to the execution times given Page 15: References – there is no consistency e.g. In ref [3], full colon (:) was used, but in ref [4] full colon was not used General Comments • I feel the literature review needs more relevant and up to date articles to be included. (Just became clearer to me) • The paper still lacks mathematical rigor • The discussion of the results is still scanty • The grammar of the write up needs to be improved	All terms have been defined The missing phrase has been added Fig. 2 has been redrawn with more details provided T_{15} to T_{19} are parts of the temperature values first obtained using the floating walk technique. They are treated as absorbing nodes and as such grouped together in the matrix. Check columns 9-13 and rows 9-13. All absorbing nodes are located between columns 1-13 of the matrix. Computer hardware configuration has been included Full colon has been removed in ref[3]. Others have also been checked for any inconsistency More literature have been added(there seems to be paucity of literature on use of floating walk and markov chain) More mathematics added to clarify issues Discussions of results were only to showcase agreement of the output of the developed technique as compared with the finite difference and floating walk techniques which have been proven to yield acceptable results More editorials have been carried out