



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	British Journal of Mathematics & Computer Science
Manuscript Number:	2014_BJMCS_12573
Title of the Manuscript:	A Computational Study on the Viscous Incompressible Laminar Separated Flow in a Unit Square Cavity
Type of the Article	Original Research Article

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
- There is a serious problem in English. For example, just see the title. The SPACeS are missed 2 times in it! The other parts of the manuscript are like that, too. For instance, please see Abstract or Keywords parts. Therefore, the language needs to be refined again. - This work suffers of lack of a comprehensive literature review. The literature review part needs to be extended as there are relevant recent published papers need to be cited in this paper: An Investigation of Laminar and Turbulent Nanofluid Mixed Convection in a Shallow Rectangular Enclosure Using a Two-phase Mixture Model, International Journal of Thermal Sciences, 75, 204-220, 2014. Numerical Study of Entropy Generation due to Coupled Laminar and Turbulent Mixed Convection Heat Transfer and Thermal Radiation in a Square Enclosure Filled with a Semitransparent Medium, The Scientific World Journal, 2014, Article ID 761745, 8 pages, 2014. Comparison of the Finite Volume and Lattice Boltzmann Methods for Solving Natural Convection Heat Transfer Problems inside Cavities and Enclosures, Abstract and Applied Analysis, vol. 2014, Article ID 762184, 15 pages, 2014. Mixed convection of Copper-Water nanofluid in a shallow inclined lid driven cavity using lattice Boltzmann method, Physica A, 402, 150-168, 2014. Simulation of Fluid Flow and Heat Transfer in the inclined enclosure, International Journal of Mechanical and Aerospace Engineering, 6 (2012), 86-91, 2012. Numerical Modeling of Turbulence Mixed Convection Heat Transfer in Air Filled Enclosures by Finite Volume Method, International Journal of Multiphysics, 5(4), 307-324, 2011. Numerical Study of Laminar Mixed Convection Heat Transfer of Power-Law Non-	This problem in English and spacing is rectified. The literature review part is corrected. Some of the prescribed references are mentioned. The Table-configuration has been changed. A new Table-2 is incorporated. The grid-independence part is incorporated in the new Table-2. The Conclusion part is re-written.



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Newtonian Fluids in Square Enclosures by Finite Volume Method, International Journal of Physical Sciences, 6(33), 7456 - 7470, 2011.

Numerical Investigation of Laminar and Turbulent Mixed Convection in a shallow Water-Filled Enclosure by various turbulence methods, Scientific Research and Essays, 6(22), 4826-4838, 2011.

- All the references are very old and therefore, they are abolished. May the reviewer ask the author (s) to change these references to newer ones? The authors can use the aforementioned references.
- The configuration of tables 1-4 (especially first rows) should be revised.
- The reviewer thinks the authors could not understand the meaning of “grid independence study” correctly. In grid independence study, you should indicate the number of grids which you have used and its reason. You can find many examples in aforementioned references about grid independence study.
- It is necessary to add a “Validation” part to the manuscript. You can validate your work with one of the aforementioned references.
- The “Conclusion” part should be rewritten again. There is no new information in this part, compared to “Abstract” part.