SDI Review Form 1.6

Journal Name:	**British Journal of Mathematics & Computer Science**
Manuscript Number:	**2014_BJMCS_12573**
Title of the Manuscript:	**A Computational Study on Viscous Incompressible Flow in a Unit Square Cavity**
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:

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PART 1: Review Comments

	Reviewer's comment	**Author's comments** (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)*
C6ompulsory REVISION comments	• "Abstract" part should be rewritten again. There is no special novelty explanation or at least the results of the work in this part of the manuscript. • "Keywords" part, the first word of "iso-vorticity line" should be capitalized. • There is no literature review in "Introduction" part. 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	1. "Abstract" is changed. 2. "Keywords" is rectified. 3. There is some literature review in "Introduction" part. 4. A reference is cited in "Governing Equations" part. 5. "Grid alignment" is discussed with reference. 6. "Conclusion" part is added is the revised manuscript.

	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. Numerical Modeling of Turbulence Mixed Convection of Water and Drilling Mud inside a Square Enclosure by Various Turbulence models, Journal of Petroleum Science and Engineering, 70 (22), 85-100, 2012. 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-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. • Please cite some references for “GOVERNING EQUATIONS” part. • It is necessary to add a “grid independence” part to the manuscript. • It is necessary to add a “Validation” part to the manuscript. • The authors have to write a physical interpretation for most of the results as they just described the pattern of each figure.	
Minor REVISION comments		
Optional/General comments	• There is a serious problem in English. For example, the punctuation (,/./;) and prepositions (to, in, for ... etc) are not correctly used. Also, the structure of sentences is still not good. Therefore, the language needs to be refined again.	Languages and punctuation marks are corrected in different places.