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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

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)
Compulsory 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	



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	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	
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	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.	
<u>Minor</u> REVISION comments		
<u>Optional/General</u> 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.	

Note: Anonymous Reviewer