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Journal Name:	British Journal of Mathematics & Computer Science
Manuscript Number:	2014_BJMCS_13362
Title of the Manuscript:	HYBRID OF THE NEW CONJUGATE GRADIENT METHOD AND GALERKIN THEORY FOR OPTIMIZING BEAM DEFLECTION UNDER UNIFORMLY DISTRIBUTED LOAD
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 <i>(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)</i>
Compulsory REVISION comments		We agree with the reviewer.
Minor REVISION comments	1. In its current state the level of English throughout your manuscript does not meet the journal's desired standard. Please check the manuscript and refine the language carefully. 2. The author must explain other numerical method which is used to analyse the mechanical structures such as DQM, FEM and etc. For this purpose, the authors must add the following references in the introduction section a. Surface effects on the mechanical characteristics of microtubule networks in living cells, Mechanics Research Communications Vol 57, 18-26. b. Axial vibration analysis of a tapered nanorod based on nonlocal elasticity theory and differential quadrature method, Mechanics Research Communications 39 (1), 23-27. c. Free transverse vibration analysis of circular and annular graphene sheets with various boundary conditions using the nonlocal continuum plate model, Composites Part B: Engineering 45 (1), 32-42. d. Influence of in-plane pre-load on the vibration frequency of circular graphene sheet via nonlocal continuum theory, Composites. Part B, Engineering 51, 121-129. e. Shear buckling of orthotropic rectangular graphene sheet embedded in an elastic medium in thermal environment, Composites Part B: Engineering 56, 629-637. f. Exact solution for thermo-mechanical vibration of orthotropic mono-layer	We have reviewed this paper in line with the comments. Thanks.



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	graphene sheet embedded in an elastic medium, Latin American Journal of Solids and Structures 11 (3), 437-458. g. Thermo-mechanical vibration analysis of annular and circular graphene sheet embedded in an elastic medium., Latin American Journal of Solids & Structures 11 (4). h. Numerical study of the effect of shear in-plane load on the vibration analysis of graphene sheet embedded in an elastic medium, Computational Materials Science 82, 510-520. i. Axisymmetric buckling of the circular graphene sheets with the nonlocal continuum plate model, Physica E: Low-dimensional Systems and Nanostructures 43 (10), 1820-1825. j. Vibration analysis of nanorings using nonlocal continuum mechanics and shear deformable ring theory, Physica E: Low-dimensional Systems and Nanostructures 44 (1), 135-140. k. A study on the nonlinear stability of orthotropic single-layered graphene sheet based on nonlocal elasticity theory, Latin American Journal of Solids & Structures Accepted. l. Buckling of orthotropic micro/nanoscale plates under linearly varying in-plane load via nonlocal continuum mechanics, Composite Structures 94 (5), 1605-1615. m. Buckling analysis of variable thickness nanoplates using nonlocal continuum mechanics, Physica E: Low-dimensional Systems and Nanostructures 44 (3), 719-727. n. Levy Type Solution for Nonlocal Thermo-Mechanical Vibration of Orthotropic Mono-Layer Graphene Sheet Embedded in an Elastic Medium, Journal of Solid Mechanics Vol 5 (2), 116-132.	
<u>Optional/General</u> comments		