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Selected Publications:

R. Ansari, M. Faghih Shojaei, V. Mohammadi, M. Bazdid-Vahdati and H. Rouhi, “Triangular Mindlin microplate element”, *Computer Methods in Applied Mechanics and Engineering*, Vol. 295, pp 56-76, October 2015

R. Ansari, M. Faraji Oskouie, F. Sadeghi and M. Bazdid-Vahdati, Free vibration of fractional viscoelastic Timoshenko nanobeams using the nonlocal elasticity theory, *Phys. E: Low-Dimens. Syst. Nanostruct.* 74 (2015) 318–327.

Ansari R, Gholami R, Sahmani S, Norouzzadeh A, Bazdid-Vahdati M (2015) Dynamic stability analysis of embedded multi-walled carbon nanotubes in thermal environment. *Acta Mech Solida Sin* 28:659–667

Rouhi H, Bazdid-Vahdati M, Ansari R (2015) Rayleigh-Ritz vibrational analysis of multiwalled carbon nanotubes based on the nonlocal Flugge shell theory. *J Compos* 2015:11. doi: 10.1155/2015/750392

R. Ansari, M. Faghih Shojaei, A. Shahabodini, M. Bazdid-Vahdati, **Three-dimensional bending and vibration analysis of functionally graded nanoplates by a novel differential quadrature-based approach**, *Compos. Struct.*, 131 (2015), pp. 753-764

Reza Ansari, Mahdi Mirnezhad, Hessam Rouhi, Majid Bazdid-Vahdati, “Prediction of torsional buckling behaviour of single-walled SiC nanotubes based on molecular mechanics”, *Engineering Computations*, August 2015

Reza Ansari, M Faghih Shojaei, Farzad Ebrahimi, H Rouhi, M Bazdid-Vahdati, “A novel size-dependent microbeam element based on Mindlin’s strain gradient theory”, *Engineering with Computers*, Vol. 32, No. 1, pp 99-108, January 2016

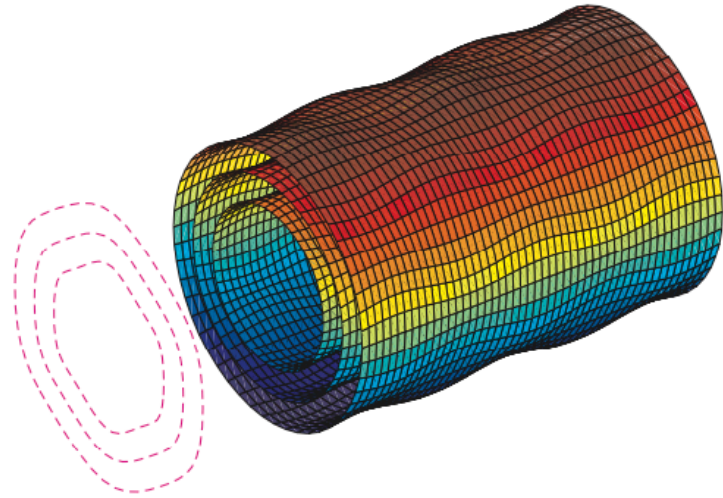


FIGURE 10: Three-dimensional mode shape associated with the first intertube and the fifth axial and circumferential modes for a triple-walled CNT with simply supported boundary conditions ($R_1 = 8.5$ nm, $L/R_1 = 5$).

From: Rouhi H, Bazdid-Vahdati M, Ansari R (2015) Rayleigh-Ritz vibrational analysis of multiwalled carbon nanotubes based on the nonlocal Flugge shell theory. *J Compos* 2015:11. doi: 10.1155/2015/750392

M Faraji, M Bazdid-Vahdati, R Gholami and R Ansari, "Size-Dependent Free Vibration of Thermally Postbuckled Piezoelectric Timoshenko Nanobeams Subject to Thermoelectric Loading Based on the Nonlocal Elasticity Theory", *Journal of Mechatronics*, Vol. 3, No. 4, pp 289-300, December 2016

Ansari R, Bazdid-Vahdati M, Shakouri A, Norouzzadeh A, Rouhi H. Micromorphic first-order shear deformable plate element. *Meccanica*. 2016;51(8):1797-1809.

Ansari R, Shakouri AH, Bazdid-Vahdati M, Norouzzadeh A, Rouhi H. A Nonclassical Finite Element Approach for the Nonlinear Analysis of Micropolar Plates. *J Comput Nonlin Dyn*. 2017;12(1).

Ansari R, Bazdid-Vahdati M, Shakouri AH, Norouzzadeh A, Rouhi H. Micromorphic prism element. *Math Mech Solids*. 2017;22(6):1438-1461.

R. Ansari, E. Hasrati, A.H. Shakouri, M. Bazdid-Vahdati and H. Rouhi, "Nonlinear large deformation analysis of shells using the variational differential quadrature method based on the six-parameter shell theory", *International Journal of Non-Linear Mechanics*, Vol. 106, pp 130-143, November 2018

R Ansari, A Norouzzadeh, AH Shakouri, M Bazdid-Vahdati and H Rouhi, "Finite element analysis of vibrating micro-beams and-plates using a three-dimensional micropolar element", *Thin-Walled Structures*, Vol. 124, pp 489-500, March 2018

R Ansari, E Hasrati, AH Shakouri, M Bazdid-Vahdati and H Rouhi, "Nonlinear large deformation analysis of shells using the variational differential quadrature method based on the six-parameter shell theory", *International Journal of Non-Linear Mechanics*, Vol. 106, pp 130-143, November 2018

Jalal Torabi, Reza Ansari, Majid Bazdid-Vahdati and Mansour Darvizeh, "Second strain gradient finite element analysis of vibratory nanostructures based on the three-dimensional elasticity theory", *Iranian Journal of Science and technology*, pp 1-15, May 2019

Majid Bazdid-Vahdati, Mohammad Faraji Oskouie, Reza Ansari, Hessam Rouhi, "Finite element analysis of micromorphic and micropolar continua based on two-dimensional elasticity", *Mathematics and Mechanics of Solids*, Vol. 24, No. 6, pp 1893-1907, June 2019