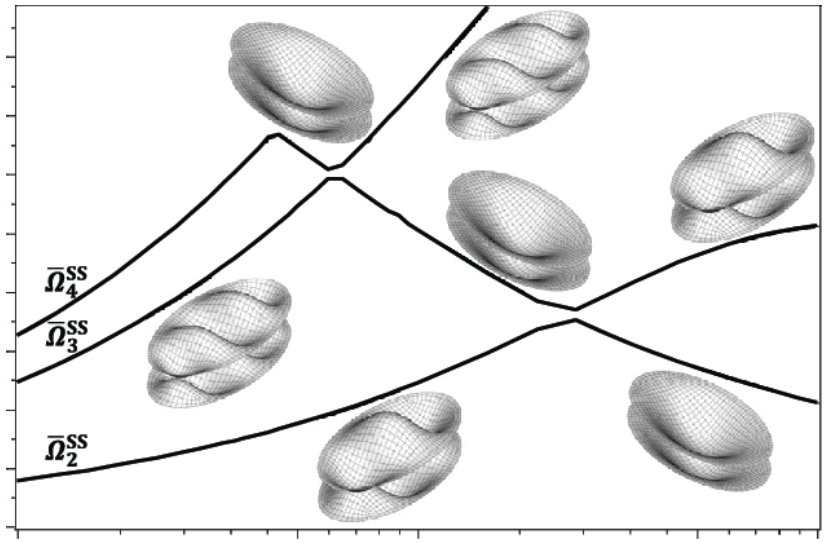
Professor Seyyed M. Hasheminejad



From: Seyyed M. Hasheminejad, Hojat A. Khaani and Rezgar Shakeri, "Free vibration and dynamic response of a fluid-coupled double elliptical plate system using Mathieu functions", International Journal of Mechanical Sciences, Vol. 75, pp 66-79, October 2013

See:
https://scholar.google.com/citations?user=kiXiissAAAAJ&hl=en
http://www.iust.ac.ir/find-16.1471.893.en.html

Center of Excellence in Experimental Solid Mechanics and Dynamics
Iran University of Science and Technology, Tehran, Iran

Career Interests:
Preference for applied mechanics-related research and education; interested in development of analytical, computational and experimental techniques applicable to the theory and practice of Mechanical Vibrations and Structural Acoustics focusing on problems in Multiple Wave Scattering, Fluid/Structure Interaction, Poroacoustics, Underground Sound, Atmospheric Acoustics, Underwater Acoustics, Industrial Ultrasonics, Nondestructive Testing, Medical Ultrasonics, Transduction, Stress Wave Concentration, Dynamic Thermoelasticity, Environmental Acoustics, Building Acoustics, Noise and Vibration Control, with special attention to acoustic wave propagation and (multi-)scattering in thermoviscous, poroelastic, thermoelastic, and viscoelastic medium.

Education:
PHD, University of Colorado, Boulder, USA (1992).
MSC, Santa Clara University, Santa Clara, USA (1985)
BSC, Cal. State University Chico, California USA (1983)

Selected Publications:

Seyyed M. Hasheminejad and Mahdi Azarpeyvand, “Acoustic radiation from a pulsating spherical cap set on a spherical baffle near a hard/soft flat surface”, IEEE Journal of Oceanic Engineering, Vol. 29, No. 1, pp 110-117, 2004

Seyyed M. Hasheminejad and M. Rajabi, “Acoustic resonance scattering from a submerged functionally graded cylindrical shell”, Journal of Sound and Vibration, Vol. 302, Nos. 1-2, pp 208-228, 2007

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Seyyed M. Hasheminejad and M. Rajabi, “Scattering and active acoustic control from a submerged piezoelectric-coupled orthotropic hollow cylinder”, Journal of Sound and Vibration, Vol. 318, nos 1-2, pp 50-73, 2008

Seyyed M. Hasheminejad and Majid Rajabi, “Effect of FGM core on dynamic response of a buried sandwich cylindrical shell in poroelastic soil to harmonic body waves”, International Journal of Pressure Vessels and Piping, Vol. 85, No. 11, pp 762-771, 2008

M. Rajabi and Seyyed M. Hasheminajad, “Acoustic resonance scattering from a multilayered cylindrical shell with imperfect bonding”, Ultrasonics, Vol. 49, No. 8, pp 682-695, 2009

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Seyyed M. Hasheminejad and Yaser Mirzaei, Free vibration analysis of an eccentric hollow cylinder using exact 3D elasticity theory”, Journal of Sound and Vibration, Vol. 326, Nos. 305, pp 687-702, 2009

Seyyed M. Hasheminejad and Mohsen Maleki, “Free vibration and forced harmonic response of an electrorheological fluid-filled sandwich plate”, Smart Materials and Structures, Vol. 18, No. 5, 2009

Behnam Gheshlaghi and Seyyed M. Hasheminejad, “Size dependent torsional vibration of nanotubes”, Physica E: Low-dimensional Systems and Nanostructures, Vol. 43, No. 1, pp 46-48, 2010

Seyyed M. Hasheminejad and Ali Ahamdi-Savadkoohi, “Vibro-acoustic behavior of a hollow FGM cylinder excited by on-surface mechanical drives”, Composite Structures, Vol. 92, No. 1, pp 86-96, 2010

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Seyyed M. Hasheminejad and Yaser Mirzaei, “Exact 3D elasticity solution for free vibrations of an eccentric hollow sphere”, Journal of Sound and Vibration, Vol. 330, No. 2, pp 229-244, 2011

Hasheminejad S.M., Bahari A., Abbasion S.: Modeling and simulation of acoustic pulse interaction with a fluid-filled hollow elastic sphere through numerical Laplace inversion. Appl. Math. Model. 35, 22–49 (2011)

Seyyed M. Hasheminejad, Hessam Mousavi-Akbarzadeh and Yaser Mirzaei, “Nonaxisymmetric elastoacoustic analysis of a submerged eccentric hollow sphere: An exact solution”, Acta Mechanica, Vol. 223, No. 7, pp 1397-1416, July 2012

Seyyed M. Hasheminejad and Hessam Mousavi-Akbarzadeh, “Vibroacoustic response of an eccentric hollow cylinder”, Journal of Sound and Vibration, Vol. 331, No. 16, pp 3791-3808, July 2012

Seyyed M. Hasheminejad and Behnam Gheshlaghi, Three-dimensional elastodynamic solution for an arbitrary thick FGM rectangular plate resting on a two-parameter viscoelastic foundation”, Composite Structures, Vol. 94, No. 9, pp 2746-2755, 2012

Seyyed M. Hasheminejad, Shahed Rezaei and Rezgar Shakeri, “Flexural transient response of elastically supported elliptical plates under in-plane loads using Mathieu functions”, Thin-Walled Structures, Vol. 62, pp 37-45, January 2013

B. Gheshlaghi, S.M. Hasheminejad, “Size dependent damping in axisymmetric vibrations of circular nanoplates”, Thin Solid Films, 537 (2013), pp. 212-216

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