



Professor Mohammad Mohammadi-Aghdam

See:

<http://me.aut.ac.ir/M.Aghdam.htm>

<https://scholar.google.com/citations?user=f23F8UMAAAAJ&hl=en>

Mechanical Engineering Department
Amirkabir University of Technology, Tehran, Iran

Education:

Ph.D Mechanical Engineering, University of Bristol
M.Sc. Mechanical Eng., Amirkabir University of Technology
B.Sc. Mechanical Eng., Sharif University of Technology

Selected Publications:

M. Abouhamze, M. M. Aghdam and F. Alijani, "Bending Analysis of Symmetrically Laminated Cylindrical Panels Using the Extended Kantorovich Method," *Mechanics of Advanced Materials and Structures*, Vol. 14, No. 7, 2007, pp. 523-530.

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F. Alijani and M. M. Aghdam, "A Semi-Analytical Solution for Stress Analysis of Moderately Thick Laminated Cylindrical Panels with Various Boundary Conditions," *Composite Structures*, Vol. 89, No. 4, 2009, pp. 543-550.

Bigdeli K. and Aghdam M. M., 2010, "A semi-analytical solution for bending of clamped laminated doubly-curved/spherical panels", *J. of Mechanics of Materials and Structures*, 5 (6), pp 855–873.

A. Andakhshideh, S. Maleki and M. M. Aghdam, "NonLinear Bending Analysis of Laminated Sector Plates Using Generalized Differential Quadrature," *Composite Structures*, Vol. 92, No. 9, 2010, pp. 2258-2264

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Fallah A. Aghdam M.M., 2012, "Thermo-Mechanical Buckling and Nonlinear Free Vibration Analysis of Functionally Graded Beams on Nonlinear Elastic Foundation", *Composites Part B*, 43(3), pp 1523-1530.

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Jahromi H. N., Aghdam M. M., Fallah A., 2013," Free Vibration Analysis of Mindlin plates partially resting on Pasternak foundation", *International Journal of Mechanical Sciences*, 75, pp. 1-7.

Aghdam M.M., Morsali S.R., 2013, "Damage initiation and collapse behavior of unidirectional metal matrix composites at elevated temperatures", *Computational Materials Science*, 79, pp. 402-407.

A.R. Damanpack, M. Bodaghi, M.M. Aghdam, M. Shakeri, 2013, "Active control of geometrically non-linear transient response of sandwich beams with a flexible core using piezoelectric patches", *Composite Structures*, 100, pp. 517-531.

H. Asadi, M. Bodaghi, M. Shakeri, M.M. Aghdam, 2013, "On the free vibration of thermally pre/post-buckled shear deformable SMA hybrid composite beams", *Aerospace Science and Technology*, 31(1), pp. 73-86.

Y. Heydarpour, P. Malekzadeh, M. M. Aghdam, 2014, "Free vibration of functionally graded truncated conical shells under internal pressure", *Meccanica*, 49 (2), pp 267-282.

Y. Heydarpour, M. M. Aghdam, P. Malekzadeh, 2014, “Free vibration analysis of rotating functionally graded carbon nanotube-reinforced composite truncated conical shells”, *Composite Structures*, 117, pp 187-200.

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M. Akbari, Y. Kiani, M.M. Aghdam, M. R. Eslami, “Free Vibration of FGM Levy Conical Panels”, *Composite Structures*, 116, pp 732-746, 2014

H. Niknam, M. M. Aghdam, 2014,” A semi analytical approach for large amplitude free vibration and buckling of nonlocal FG beams resting on elastic foundation”, accepted by *Composite Structures*.

H. Asadi, Y. Kiani, M.M. Aghdam and M. Shakeri (Thermo-elasticity Center of Excellence, Mechanical Engineering Department, Amirkabir University of Technology, Tehran, Iran), “Enhanced thermal buckling of laminated composite cylindrical shells with shape memory alloy”, *Journal of Composite Materials*, February 23, 2015