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**Selected Publications:**

Jafari A.A., Khalili S.M.R., Azarafza R., Transient dynamic response of composite circular cylindrical shells under radial impulse load and axial compressive loads, *Thin-Walled Structures* 43: 1763-1786, 2005

Jafari, A.A., Bagheri, M.: Free vibration of rotating ring stiffened cylindrical shells with non-uniform stiffener distribution. *J Sound Vibr* 296, 353\_376 (2006)

Sh. Torkamani, H.M. Navazi, A.A. Jafari and M. Bagheri, “Structural similitude in free vibration of orthogonally stiffened cylindrical shells”, *Thin-Walled Structures* Vol. 47, No. 11, November 2009, pp. 1316-1330

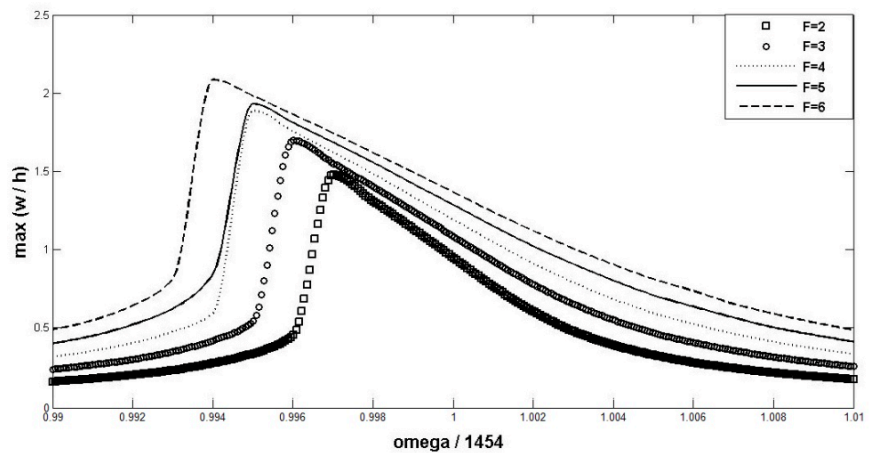
R. Azarafza, S.M.R. Khalili, A.A. Jafari and A. Davar, “Analysis and optimization of laminated composite circular cylindrical shell subjected to compressive axial and transverse transient dynamic loads”, *Thin-Walled Structures*, Vol. 47, Nos. 8-9, August-September 2009, pp. 970-983

Biglari, H. and Jafari, A. A.: High-Order Free Vibrations of Doubly Curved Sandwich Panels With Flexible Core Based on a Refined Three-Layered Theory. *Composite Structures*, vol. 92, 2010, pp. 2685-2694.

Biglari, H. and Jafari, A. A., Static and Free Vibration Analyses of Doubly Curved Composite Sandwich Panels with Soft Core Based on a New Three-Layered Mixed Theory, *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, 224, 2010, 2332-2349

M. Tavakolian, A.A. Jafari and S.M.R. Khalili, “Nonlinear Vibration of Functionally Graded Cylindrical Shells under Radial Harmonic Load”, *ISME* (publisher and date not given in the pdf file. Most recent reference is dated 2010)

M. Sadeghifar, M. Bagheri and A. A. Jafari, “Buckling analysis of stringer-stiffened laminated cylindrical shells with nonuniform eccentricity”, *Archive of Applied Mechanics*, (no vol., no. or pp. given) Springer-Verlag,



**Figure 5** nonlinear amplitude- frequency curves for different amplitude of excitation force  
( $L=0.519$  mm,  $R=149.4$  mm,  $L=520$ ,  $\beta = 1$ )

From: M. Tavakolian, A.A. Jafari and S.M.R. Khalili, “Nonlinear Vibration of Functionally Graded Cylindrical Shells under Radial Harmonic Load”, *ISME* (publisher and date not given in the pdf file. Most recent reference is dated 2010)

2010

Sadeghifar M, Bagheri M, Jafari AA, Multiobjective optimization of orthogonally stiffened cylindrical shells for minimum weight and maximum axial buckling load. *Thin Walled Struct* 48:979–988, 2010

Bagheri M, Jafari AA, Sadeghifar M (2011) A genetic algorithm optimization of ring-stiffened cylindrical shells for axial and radial buckling loads. *Arch Appl Mech* 81:1639–1649

Jafari A A, Eftekhari S A. An efficient mixed methodology for free vibration and buckling analysis of orthotropic rectangular plates. *Appl Math Comput*, 2011, 218(6): 2670–2692

Eftekhari S.A., Jafari A.A., Vibration of an initially stressed rectangular plate due to an accelerated traveling mass, *Scientia Iranica*, 19, 5, 1195-1213, 2012

M.A. Boorboor Ajdari, S. Jalili, M. Jafari, J. Zamani and M. Shariyat, “The analytical solution of the buckling of composite truncated conical shells under combined external pressure and axial compression”, *Journal of Mechanical Science and Technology*, Vol. 26, No. 9, pp. 2783-2791, 2012

S. A. Eftekhari, A. A. Jafari, Accurate variational approach for free vibration of simply supported anisotropic rectangular plates, *Archived of Applied Mechanics*, 84 (2014), 607-614