Professor Faramarz Ashenia Ghasemi

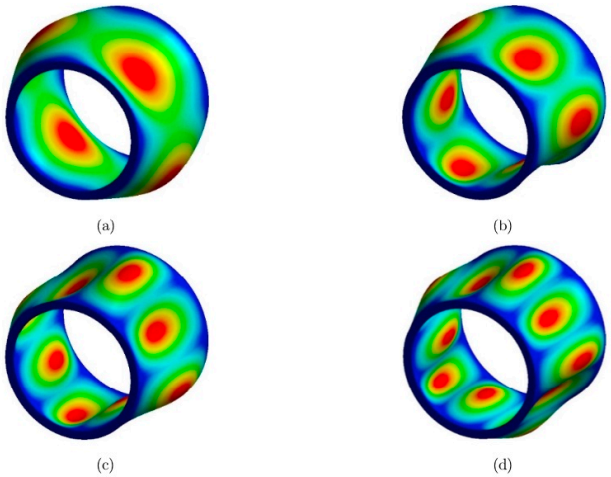

Figure 5: Some modes for the rotating conical sandwich shell with simply supported boundary condition for different circumferential wave numbers (m=1, h_c/r_1=0.1, L/r_1=3, h_c/h_f=5, (45/0/-45/core/-45/0/45)). (a) mode (1,4) (b) mode (1,6) (c) mode (1,8) (d) mode (1,10).

From: Amir Shekari, Faramarz Ashenai Ghasemi and Keramat Malekzadehfard, "Free damped vibration of rotating truncated conical sandwich shells using an improved high-order theory", Latin American Journal of Solids and Structures, Vol. 14, No. 12, pp 2291-2323, 2017

See:
https://scholar.google.com/citations?user=8eCmonYAAAAJ&hl=en
https://www.researchgate.net/profile/Faramarz_Ashenai_Ghasemi
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Composite materials; Polymer based nanocomposites; Mechanical behavior of materials

Selected Publications:

F. Ashenai Ghasemi, A. Shokuhfar, S.M.R. Khalili, G.H. Payganch and K. Malekzadeh, "The effect of some physical and geometrical parameters on improvement of the impact response of smart composite structures", International Journal of Mathematical Models and Methods in Applied Sciences, Vol. 3, No. 3, 2009
F. Ashenai Ghasemi, G.H. Payeganeh, K. Malekzadeh, A. Shokouhfar and S.M.R. Khalili, "Modeling and Simulation of the dynamic response of smart hybrid composite structures subjected to low-velocity impact", Proceedings of the 11th WSEAS International Conference on Automatic Control, Modeling and Simulation, May 2009

Payeganeh, G.H., Ghasemi, F.A. and Malekzadeh, K. (2010), “Dynamic response of fiber metal laminates (FMLs) subjected to low-velocity impact”, Thin Wall Struct., 48, 62-70
F. A. Ghasemi, R. Ansari, and R. B. Paskiaby, “Free vibration analysis of truncated conical composite shells using the Galerkin method,” J. Appl. Sci., vol. 12, no. 7, pp. 698–701, 2012
Faramarz Ashenai Ghasemi, Sedigh Raissi and Keramat Malekzadehfard, “Analytical and mathematical modeling and optimization of fiber metal laminates (FMLs) subjected to low-velocity impact via combined response surface regression and zero-one programming:, Latin American Journal of Solids and Structures, Vol. 10, pp 391-408, 2013
Malekzadeh, K., Mozafari, A., Ghasemi, F.A.: Free vibration response of a multilayer smart hybrid composite plate with embedded SMA wires. Lat. Am. J. Solids Struct. 11(2), 279–298 (2014)
Malekzadefard, K., Livani, M. and Faramarz Ashenai Ghasemi (2014), “Improved high order free vibration analysis of thick double curved sandwich panels with transversely flexible cores”, Lat. Am. J. Solid. Struct., 11, 2284-2307.
K. Malekzadeh Fard, V. Veisi Ghorghabad, A.H. Azarnia and Faramarz Ashenai Ghasemi, “High order impact elastic analysis of circular thick cylindrical sandwich panels subjected to multi-mass impacts”, Latin American Journal of Solids and Structures, Vol. 12, pp 2281-2310, 2015
Ebrahimi, F. Ghasemi, F. and Salari, E. (2016), "Investigating thermal effects on vibration behavior of temperature-dependent compositionally graded Euler beams with porosities", Meccanica, 51(1), 223-249.
Amir Shekari, Faramarz Ashenai Ghasemi and Keramat Malekzadehfard, “Free damped vibration of rotating truncated conical sandwich shells using an improved high-order theory”, Latin American Journal of Solids and Structures, Vol. 14, No. 12, pp 2291-2323, 2017
Arash Mohamadi, Majid Shahgholi and Faramarz Ashenai Ghasemi, “Free vibration and stability of an axially moving thin circular cylindrical shell using multiple scales method”, Meccanica, Vol. 54, No. 14, pp 2227-2246, November 2019