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Selected Publications:

Vijay K. Singh, S.K. Panda, “Free vibration analysis of laminated composite plate”, All India Seminar on Recent Advances in Mechanical Engineering Bhubaneswar, March 2013

Vijay K. Singh, S.K. Panda, “Free vibration and bending behaviour of laminated composite single/doubly curved panels”, International Conference on Computer Aided Engineering (CAE-2013)/ Department of Mechanical Engineering, IIT Madras, India, 2013

Vijay K. Singh, Subrata K. Panda, “Free Vibration Analysis of Laminated Composite Cylindrical Panels”, International Journal of Engineering Science Invention (IJESI), April 2013

Vijay K Singh, SK Panda, “Linear static and free vibration analyses of laminated composite spherical shells”, ASME Gas Turbine India Conference, 2013, Published in February 2014

V.K. Singh, S.K. Panda, Nonlinear free vibration analysis of single/doubly curved composite shallow shell panels, Thin-Walled Struct., 85 (2014), pp. 341-349

Singh, V.K. and Panda, S.K. (2015), "Large amplitude free vibration analysis of laminated composite spherical shells embedded with piezoelectric layers", Smart Struct. Syst., 16(5), 853-872.

Sushree S. Sahoo, Vijay K. Singh and Subrata K. Panda, “Nonlinear flexural analysis of shallow carbon/epoxy laminated composite curved panels: Experimental and numerical investigation”, ASCE Journal of Engineering Mechanics, Vol. 142, No. 4, April 2016

Vijay K Singh, Subrata K Panda, “Numerical investigation on nonlinear vibration behavior of laminated cylindrical panel embedded with PZT layers”, Procedia Engineering, Vol. 144, pp 660-667, 2016

Vijay K Singh, Trupti R Mahapatra, Subrata K Panda, “Nonlinear transient analysis of smart laminated composite plate integrated with PVDF sensor and AFC actuator”, Composite Structures, Vol. 157, pp 121-130, December 2016

Vijay K Singh, Trupti R Mahapatra, Subrata K Panda, “Nonlinear flexural analysis of single/doubly curved smart composite shell panels integrated with PFRC actuator”, European Journal of Mechanics-A/Solids, Vol. 60, pp 300-314, 2016

C.K. Hirwani, T.R. Mahapatra, S.K. Panda, S.S. Sahoo, V.K. Singh, B.K. Patle, Nonlinear free vibration analysis of laminated carbon/epoxy curved panels, *Def Sci J*, 67 (2017), pp. 207-218

Sahoo, S.S., Panda, S.K. and Singh, V.K. (2017), "Experimental and numerical investigation of static and free vibration responses of woven glass/epoxy laminated composite plate", *J. Mater.: Des. Appl.*, 231(5), 463-478.

Singh, V.K. and Panda, S.K. (2017), "Geometrical nonlinear free vibration analysis of laminated composite doubly curved shell panels embedded with piezoelectric layers", *J. Vibr. Contr.*, 23(13), 2078-2093

Dutta, G., Panda, S.K., Mahapatra, T.R. and Singh, V.K. (2017), "Electro-magneto-elastic response of laminated composite plate: A finite element approach", *Int. J. Appl. Comput. Math.*, 3(3), 2573-2592.

Sushree S. Sahoo, Subrata K. Panda, Vijay K. Singh and Trupti R. Mahapatra, "Numerical investigation on the nonlinear flexural behaviour of wrapped glass/epoxy laminated composite panel and experimental validation", *Archive of Applied Mechanics*, Vol. 87, No. 2, pp 315-333, February 2017

Sahoo, S.S., Panda, S.K. and Singh, V.K. (2017), "Experimental and numerical investigation of static and free vibration responses of woven glass/epoxy laminated composite plate", *J. Mater. Des. Appl.*, 231(5), 463-478.

Vijay K Singh, Chetan K Hirwani, Subrata K Panda, Trupti R Mahapatra, Kulmani Mehar, "Numerical and experimental nonlinear dynamic response reduction of smart composite curved structure using collocation and non-collocation configuration", *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, Vol. 233, No. 5, pp 1601-1619, 2019