



Professor Jiabin Sun

See:

http://www.researchgate.net/profile/Jiabin_Sun2

State Key Laboratory of Structure Analysis of Industrial Equipment
Department of Engineering Mechanics
Dalian University of Technology, Dalian, P. R. China

Selected Publications:

Jia-Bin Sun, Xin-Sheng Xu and Chee-Wah Lim, “Dynamic Buckling of Cylindrical Shells under Axial Impact in Hamiltonian System”, *Int. J. Nonlinear Sci. Numer. Simul.*, Vol. 13, No. 1, pp 93-97, February 2012

Xinsheng Xu, Jiabin Sun and C.W. Lim (Dalian University of Technology), “Dynamic torsional buckling of cylindrical shells in Hamiltonian system”, *Thin-Walled Structures*, 03/2013; 64:23-30

Jiabin Sun, Xinsheng Xu, C. W. Lim and V. B. C. Tan, “An energy conservative symplectic methodology for buckling of cylindrical shells under axial compression”, *Acta Mech*, 2013, Springer, DOI: 10.1007/s00707-013-0814-5

Jiabin Sun, Xinsheng Xu and C. W. Lim, “Torsional Buckling of Functionally Graded Cylindrical Shells with Temperature-Dependent Properties”, *International Journal of Structural Stability and Dynamics*, Vol. 14, No. 1, 1350048 (24 pages), DOI: 10.1142/S021945541350048X

Jiabin Sun, Xinsheng Xu and C.W. Lim, “Accurate symplectic space solutions for thermal buckling of functionally graded cylindrical shells”, *Composites Part B: Engineering*, Vol. 55, pp. 208-214, December 2013

Jiabin Sun, Xinsheng Xu and C. W. Lim, “Symplectic Method For Dynamic Buckling Of Cylindrical Shells Under Combined Loadings”, *International Journal of Applied Mechanics*, Vol. 05, No. 04, December 2013, DOI: 10.1142/S1758825113500427

Jiabin Sun, Xinsheng Xu and C. W. Lim, “Buckling of Functionally Graded Cylindrical Shells Under Combined Thermal and Compressive Loads”, *Journal of Thermal Stresses*, Vol. 37, No. 3, pp. 340-362, 2014, DOI: 10.1080/01495739.2013.869143

Jiabin Sun, Xinsheng Xu and C. W. Lim, “Buckling of cylindrical shells under external pressure in a Hamiltonian system”, *Journal of Theoretical and Applied Mechanics*, Vol. 52, No. 3, pp. 641-653, 2014

Jiabin Sun, Xinsheng Xu and C.W. Lim, “Stress waves and dynamic buckling of functionally graded cylindrical shells under combined axial impact and thermal load”, *Acta Mechanica*, Vol. 226, No. 5, pp 1323-1339, May 2015, DOI: 10.1007/s00707-014-1244-8

Jiabin Sun, Xinsheng Xu, C.W. Lim and Weiyu Qiao, “Accurate buckling analysis for shear deformable FGM cylindrical shells under axial compression and thermal loads”, *Composite Structures*, 05/2015; 123.
DOI: 10.1016/j.compstruct.2014.12.030