



Professor Zhu Su

The right-most image above is from: Dan Wang, Mu Fan, Zhu Su and Hornsen Tzou, "Vibration Control of Hemispherical Shells with Light-Activated Shape Memory Polymers", AIAA Journal, Vol. 58, No. 3, pp 1369-1376, March 2020

See:

- https://www.researchgate.net/profile/Zhu_Su2
- <https://scholar.google.com/citations?user=sdwLF5EAAAIAJ&hl=zh-CN>

College of Aerospace Engineering, Nanjing University of Aeronautics and Astronautics, China
Formerly:
College of Power and Energy Engineering, Harbin Engineering University, China

Selected Publications:

Book:

Guoyong Jin, Tiangui Ye, Zhu Su, Structural Vibration A Uniform Accurate Solution for Laminated Beams, Plates and Shells, Springer, 2015, 312 pages

Journal Articles, etc:

Guoyang Jin, Tiangui Ye, Yuehua Chen, Zhu Su and Yuquan Yan, "An exact solution for the free vibration analysis of laminated composite cylindrical shells with general elastic boundary conditions", Composite Structures, Vol. 106, pp 114-127, December 2013

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Guoyong Jin, Zhu Su, Tiangui Ye and Xingzhao Jia, "Three-dimensional vibration analysis of isotropic and orthotropic conical shells with elastic boundary restraints", International Journal of Mechanical Sciences, Vol. 89, pp 207-221, December 2014

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Tiangui Ye, Guoyong Jin, Zhu Su and Xingzhao Jia, "A unified Chebyshev-Ritz formulation for vibration analysis of composite laminated deep open shells with arbitrary boundary conditions", *Archive of Applied Mechanics*, Vol. 84, No. 4 pp 441-471, April 2014

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Guoyong Jin, Shuangxia Shi, Zhu Su, Shouzu Li and Zhigang Liu, "A modified Fourier-Ritz approach for free vibration analysis of laminated functionally graded shallow shells with general boundary conditions", *International Journal of Mechanical Sciences*, Vol. 93, pp 256-269, April 2015

Zhu Su, Guoyong Jin, Xueren Wang and Xuhong Miao, "Modified Fourier-Ritz approximation for the free vibration analysis of laminated functionally graded plates with elastic restraints", *International Journal of Applied Mechanics*, Vol. 7, No. 5, 1550073, October 2015

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Zhu Su, Guoyong Jin, Yunlong Wang and Xinmao Ye, "A general Fourier formulation for vibration analysis of functionally graded sandwich beams with arbitrary boundary condition and resting on elastic foundations", *Acta Mechanica*, Vol. 227, No. 5, pp 1493-1514, May 2016

Tiangui Ye, Guoyong Jin and Zhu Su, "Three-dimensional vibration analysis of sandwich and multilayered plates with general ply stacking sequences by a spectral-sampling surface method", *Composite Structures*, Vol. 176, pp 1124-1142, September 2017

Zhu Su, Guoyong Jin, Lifeng Wang and Dan Wang, "Thermo-mechanical vibration analysis of size-dependent functionally graded micro-beams with general boundary conditions", *International Journal of Applied Mechanics*, Vol. 10, No. 8, 1850088, September 2018

Zhu Su, Lifeng Wang, Kaipeng Sun, Dan Wang, "Vibration characteristic and flutter analysis of elastically restrained stiffened functionally graded plates in thermal environment", *International Journal of Mechanical Science*, Vol. 157-158, pp 872-884, July 2019

Zhu Su, Lifeng Wang and Guoyong Jin, "Supersonic Flutter Analysis of Functionally Graded Fiber Orientation Plates with Elastic Restraints", *AIAA Journal*, Vol. 57, No. 7, pp 3104-3109, July 2019

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Dan Wang, Mu Fan, Zhu Su and Hornsen Tzou, "Vibration Control of Hemispherical Shells with Light-Activated Shape Memory Polymers", *AIAA Journal*, Vol. 58, No. 3, pp 1369-1376, March 2020

Dan Wang, Mu Fan, Zhu Su and Hornsen Tzou, "Microscopic control actions of LaSMP actuators on hemispherical shells", *Mechanical Systems and Signal Processing*, Vol. 142, Article ID 106744, 2020

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