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Selected Publications:

Di Wu, Wei Gao and Francis Tin-Loi, "Interval buckling analysis of steel structures using mathematical programming approach", 11th World Congress on Structural and Multidisciplinary Optimisation, 7-12 June 2015, Sydney, Australia

Di Wu, Wei Gao, Francis Tin-Loi and Yong-Lin Pi, "Probabilistic interval limit analysis for structures with hybrid uncertainty", *Engineering Structures*, Vol. 114, pp 195-208, May 2016

Kang Gao, Wei Gao, Di Wu and Chongmin Song, "Nonlinear dynamic characteristics and stability of composite orthotropic plate on elastic foundation under thermal environment", *Composite Structures*, Vol. 168, pp 619-632, May 2017

Di Wu, Wei Gao and Sawekchai Tangaramvong, "Time-dependent buckling analysis of concrete-filled steel tubular arch with interval viscoelastic effects", *ASCE Journal of Structural Engineering*, Vol. 143, No. 7 July 2017

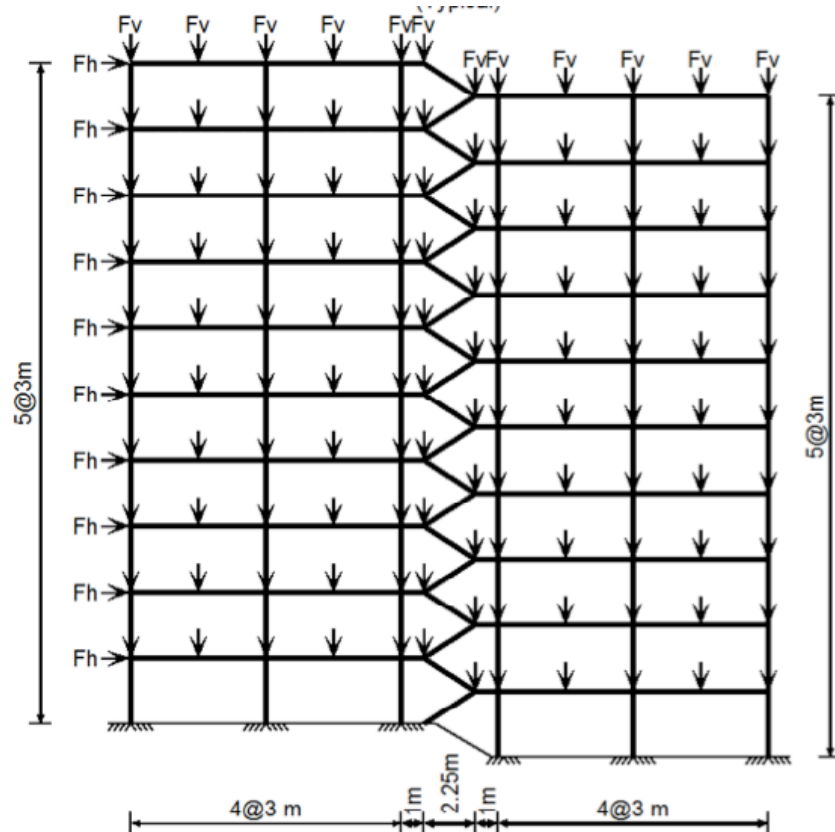


Figure 2: Ten-storey five-bay frame

From: Di Wu, Wei Gao and Francis Tin-Loi, "Interval buckling analysis of steel structures using mathematical programming approach", 11th World Congress on Structural and Multidisciplinary Optimisation, 7-12 June 2015, Sydney, Australia

Kang Gao, Wei Gao, Di Wu and Chongmin Song, "Nonlinear dynamic stability of the orthotropic functionally graded cylindrical shell surrounded by Winkler-Pasternak elastic foundation subjected to a linearly increasing load", *Journal of Sound and Vibration*, Vol. 415, pp 147-168, February 2018

Kang Gao, Wei Gao, Binhua Wu, Di Wu and Chongmin Song, "Nonlinear primary resonance of functionally graded porous cylindrical shells using the method of multiple scales", *Thin-Walled Structures*, Vol. 125, pp 281-293, April 2018

Kang Gao, Wei Gao, Di Wu and Chongmin Song, "Nonlinear dynamic buckling of the imperfect orthotropic E-FGM circular cylindrical shells subjected to the longitudinal constant velocity", *International Journal of Mechanical Sciences*, Vols. 138-139, pp 199-209, April 2018

Qingya Li, Di Wu, Xiaojun Chen, Lei Liu, and Wei Gao, "Nonlinear vibration and dynamic buckling analyses of sandwich functionally graded porous plate with graphene platelet reinforcement resting on Winkler-Pasternak elastic foundation", *International Journal of Mechanical Sciences*, Vol. 148, pp 596-610, November 2018

Zhanpeng Liu, Chengwei Yang, Wei Gao, Di Wu and Guoyin Li, "Nonlinear behaviour and stability of functionally graded porous arches with graphene platelets reinforcements", *International Journal of Engineering Science*, Vol. 137, pp 37-56, April 2019

Qingya Li, Qihan Wang, Di Wu, Xiaojun Chen, Yuguo Yu and Wei Gao, "Geometrically nonlinear dynamic analysis of organic solar cell resting on Winkler-Pasternak elastic foundation under thermal environment", *Composites Part B: Engineering*, Vol. 163, pp 121-129, 15 April 2019

Youqin Huang, Jiyang Fu, Di Wu, Airong Liu, Wei Gao and Yonglin Pi, "Dynamic stability of slender concrete-filled steel tubular columns with general supports", *International Journal of Structural Stability and Dynamics*, Vol. 19, No. 4, 1950045, April 2019

Keyan Li, Di Wu, Wei Gao and Chongmin Song, "Spectral stochastic isogeometric analysis of free vibration", *Computer Methods in Applied Mechanics and Engineering*, Vol. 350, pp 1-27, 15 June 2019

Zhicheng Yang, Yonghui Huang, Airong Liu, Jiyang Fu and Di Wu, "Nonlinear in-plane buckling of fixed shallow functionally graded graphene reinforced composite arches subjected to mechanical and thermal loading", *Applied Mathematical Modelling*, Vol. 70, pp 315-327, June 2019

Keyan Li, Di Wu, Wei Gao, "Spectral stochastic isogeometric analysis for linear stability analysis of plate", *Computer Methods in Applied Mechanics and Engineering*, Vol. 352, pp 1-31, 1 August 2019

Di Wu, Airong Liu, Yonghui Huang, Youqin Huang, Yonglin Pi and Wei Gao, "Time dependent uncertain free vibration analysis of composite CFST structure with spatially dependent creep effects", *Applied Mathematical Modelling*, Vol. 75, pp 589-606, November 2019

Qingya Li, Di Wu, Wei Gao, Francis Tin-Loi, Zhenyu Liu and Jin Cheng, "Static bending and free vibration of organic solar cell resting on Winkler-Pasternak elastic foundation through the modified strain gradient theory", *European Journal of Mechanics - A/Solids*, Vol. 78, Article 103852, November-December 2019