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研究方向：产品结构优化设计，不确定性分析

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2015.09-2017.06，大连理工大学，运载工程与力学学部，航空宇航科学与技术，硕士
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代表性论文成果：

- [1] Junjie Zhan, Yangjun Luo, Xiaopeng Zhang, Zhan Kang. A general assessment index for non-probabilistic reliability of structures with bounded field and parametric uncertainties. *Computer Methods in Applied Mechanics & Engineering*, 2020, 366:113046. (SCI, 中科院1区, 影响因子 6.756).
- [2] Yangjun Luo, Junjie Zhan, Jian Xing, Zhan Kang. Non-probabilistic uncertainty quantification and response analysis of structures with a bounded field model. *Computer Methods in Applied Mechanics & Engineering*, 2019, 347:663-678. (SCI, 中科院1区, 影响因子 6.756).
- [3] Junjie Zhan, Yangjun Luo. Robust topology optimization of hinge-free compliant mechanisms with material uncertainties based on a non-probabilistic field model. *Frontiers of Mechanical Engineering*, 2019, 014(002):201-212. (SCI, 中科院1区, 影响因子 4.528).
- [4] Yangjun Luo, Junjie Zhan, Pai Liu. Buckling assessment of thin-walled plates with uncertain geometrical imperfections based on non-probabilistic field model. *Thin-Walled Structures*, 2019, 145: 106435. (SCI, 中科院2区, 影响因子 4.442).
- [5] Yangjun Luo, Junjie Zhan. Linear buckling topology optimization of reinforced thin-walled structures considering uncertain geometrical imperfections. *Structural and Multidisciplinary Optimization*, 2020, 62: 3367-3382. (SCI, 中科院2区, 影响因子 4.542).
- [6] Junjie Zhan, Jing Li, Pai Liu, Yangjun Luo. A gradient-free topology optimization strategy for continuum structures with design-dependent boundary loads. *Symmetry*, 2021, 13(11): 1976. (SCI, 中科院4区, 影响因子 2.713).
- [7] Jian Xing, Yangjun Luo, Junjie Zhan, Zhan Kang. Global shape optimization of fixtures to suppress wrinkles in large-displacement membrane structures. *International Journal of Solids and Structures*, 2018, 144:301-312. (SCI, 中科院3区, 影响因子 3.900).

代表性荣誉获奖：

- [1] 2020年博士研究生国家奖学金
- [2] 2020年优秀博士论文单项奖学金
- [3] 大连市优秀博士毕业生

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