Curriculum Vitae

MA JUN

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Supervisor：Assoc. Prof. Xiao Manyu

School：Northwestern Polytechnical University (NPU)

Education

2021.09-2024.04

Northwestern Polytechnical University, School of Mathematics and Statistics, Computational Mathematics, Master's/Graduate Program

2017.09-2021.06

Northwestern Polytechnical University, School of Mathematics and Statistics, Mathematics and Applied Mathematics, Bachelor's/Undergraduate Program

Paper Experience

[1]Xiao M, Ma J, Lu D, et al. Stress-constrained topology optimization using approximate reanalysis with on-the-fly reduced order modeling[J]. Advanced Modeling and Simulation in Engineering Sciences, 2022, 9(1): 1-30.

[2]Xiao M, Ma J, Gao X, Piotr B, et al. Primal-dual On-the-fly Reduced-Order Modeling for Large-Scale Transient Dynamic Topology Optimization.[J]Computer Methods in Applied Mechanics and Engineering. 2024 .

[3]Ma R, Ma J, Xiao M. Several Computational Methods for Some Surface Geodesic Equations [J]. Chinese journal University Mathematics, 2022(004):038.

Conference Report

[1]**Invited speaker**："3D On-the-fly Reduced Order Model for Large Scale Dynamic Structure Topology Optimization"，NPU-UTC Bilateral Symposium on Data-driven Simulation" Northwestern Polytechnical University，Xi'an，2023.

[2]**Invited speaker**："Research on Dynamic Topology Optimization Methods Based on Reduced Models," The 13th National Conference on Random Vibration Theory and Applications and the 11th National Conference on Random Dynamics, Dalian University of Technology, Dalian, 2023.

Awards

- 2019　　　National Mathematical Modeling Competition Shaanxi Province 1st Prize
- 2020　　　American Mathematical Contest in Modeling for College Students 1st Prize
- 2021　　　National College Student Mathematics Competition Final 2nd Prize
- 2021　　　Northwestern Polytechnical University Outstanding Graduate (Undergraduate)
- 2021　　　National Graduate Mathematical Modeling Competition Third Prize
- 2023　　　Northwestern Polytechnical University 1st Class Scholarship
- 2024　　　Northwestern Polytechnical University Outstanding Graduate (Master)