YAN HUANG

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RESEARCH INTERESTS

Applied Mathematics, Numerical Analysis, Scientific Computing, Machine Learning

EDUCATION

University of Minnesota Twin Cities   Minneapolis, MN
Ph.D. in Mathematics   Aug. 2023 -

Southern University of Science and Technology (SUSTech)   Shenzhen, China
B.S. in Mathematics and Applied Mathematics (Honors Program)   Aug. 2019 - Jun. 2023
Thesis: Discrete Micro-Macro Decomposition Based Deep Learning Approach for Linear Transport Equation, Advisor: Prof. Zhen Zhang

SKILLS

- **Computer**: MATLAB, Python, PyTorch, Java, LaTeX
- **Language**: Chinese (native), English

PUBLICATIONS

RESEARCH PROJECTS

Acceleration of Variable Frequency Fourier Transform   SUSTech, Summer 2022

- Developed an acceleration algorithm of variable frequency Fourier transform with Prof. Zhen Zhang.

SCHOLARSHIPS & AWARDS

- SUSTech Second Class of the Merit Student Scholarship   Nov. 2022
- First Class Award of the 13th National College Students Mathematics Competition (Guangdong)   Dec. 2021
- SUSTech Second Class of the Merit Student Scholarship   Nov. 2021
- SUSTech Third Class of the Merit Student Scholarship   Nov. 2020
- SUSTech Third Class of the Freshman Scholarship   Nov. 2019

TEACHING EXPERIENCE

Department of Mathematics, SUSTech

- Teaching Assistant, MA327 Differential Geometry   Spring 2022