

# PINZHONG ZHENG

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**Address:** Department of Mathematics, Southern University of Science and Technology, Shenzhen, China

## EDUCATION

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**Southern University of Science and Technology**

09/2022 - 06/2024

M.Sc. in Mathematics

GPA: 3.41

Supervisor: Prof. Xiaoming Wang

**Wuhan University**

09/2018 - 06/2022

B.Sc. in Mathematics

GPA: 3.45

Supervisor: Prof. Fengwen An

## RESEARCH EXPERIENCE

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### Research Assistant

School of Science and Engineering, The Chinese University of Hong Kong, Shenzhen (2024)

- Topic: High-order energy-decreasing exponential time differencing Runge-Kutta methods for gradient flows

### Master Research

Department of Mathematics, Southern University of Science and Technology (2023)

- Topic: High-order maximum-principle-preserving exponential time differencing Runge-Kutta methods for the Allen-Cahn equation

### Undergraduate Thesis

School of Mathematics and Statistics, Wuhan University (2022)

- Topic: Topology and Analysis on Differentiable Surfaces

## RESEARCH INTERESTS

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- Exponential time differencing methods for semi-linear parabolic equations
- Structure-preserving numerical schemes for gradient flows

## TEACHING EXPERIENCE

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Teaching assistant, Southern University of Science and Technology (2023)

- Subject: Calculus

## HONORS

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- National Encouragement scholarship, 2020
- The Provincial Second Prize, Contemporary Undergraduate Mathematical Contest in

Modelling (CUMCM), 2020

- Outstanding students of Wuhan University, 2020
- The Third Prize, the Chinese Mathematics Competitions (CMC), 2019

### **PERSONAL SKILLS**

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- Academic Skills: Proficient in MATLAB and LaTeX
- English Proficiency: CET-6 (518 points); IELTS: 6.5
- Hobbies: Long-distance running (personal best of 10-km is 53 minutes)