**PINZHONG ZHENG**

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

EDUCATION

**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

**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

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

TEACHING EXPERIENCE

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

* Subject: Calculus

REFEREES

**Prof Xiaoming Wang**

Missouri University of Science and Technology,

* Contact: (+1)850-681-6688
* Email: xiaomingwang@mst.edu

**Prof Chaoyu Quan**

The Chinese University of Hong Kong, Shenzhen,

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HORORS

* 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

* 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)