

Ziming Zheng

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EDUCATION

South China University of Technology

Guangzhou, China

Mathematics and Applied Mathematics

09/2023 – Present

- GPA: 3.7/4.0
- CET-4 (635), CET-6 (561)
- Supervised by Prof. Zhujun Zheng in quantum information foundations.

PROJECTS

Dynamics of a New Four-Dimensional Hyperchaotic Lorenz System *04/2025 – 03/2026*

- Developed a new four-dimensional hyperchaotic Lorenz system with a linear feedback controller. Numerically revealed transitions among chaos, cycle, torus, and focus, along with multiple coexisting attractors. Theoretically proved high-dimensional Hopf bifurcation and derived approximate periodic orbits, which were verified by both numerical and circuit simulations.
- Theoretical lead with expertise in literature synthesis, knowledge management, and facilitating team discussion seminars.
- Research paper in Student Research Program(SRP)

AWARDS

- **17th National College Mathematics Competition** Third Prize(Guangdong), Provincial
- **29th "21st Century Cup" National English Speech Competition** Second Prize, National
- **Rewards at School:** University Triple-A Student, University Outstanding Student Leader, University Second-Class Scholarship, University Outstanding Practice Team (Team Leader), University Outstanding Individual in Social Practice

EXPERIENCES

Head of the College Youth Volunteer Service Team

09/2025 – Present

South China University of Technology

Representation Theory and Abstract Algebra Seminar

01/2026 – Present

Speaker and Participant, South China University of Technology

STRENGTHS

- **Strong English Proficiency and Mathematical foundation** Achieved excellent results in various English competitions and examinations; Subjects such as Advanced Algebra, Abstract Algebra, Analytic Geometry: all above 90/100
- **Multitasking Ability and Strong Mental Resilience:** Served concurrently as Head of the College Youth Volunteer Service Team, Class Recreation and Sports Commissioner, member of the University Table Tennis Association, member of the University Guitar Association
- **Research Literacy and Learning Enthusiasm:** Proficient in basic usage of tools such as LaTeX and MATLAB. Demonstrate rigorous academic diligence and solid mathematical foundations, with a strong interest in both theoretical and applied mathematical research.