

Siwei Luo

Undergraduate Student at School of the Gifted Young, University of Science and Technology of China

-  Hefei, Anhui, China
-  +86 15256050615
-  luosw@mail.ustc.edu.cn
-  <https://academic.luosw.com.cn>
-  luosiwei-cmd
-  Siwei Luo

Skills

LaTeX

Using LaTeX to demonstrate & edit scientific documents



Edition, Writing

Programming

Using C++ and Python to perform program



Programming

Selected Core Courses

Introduction to Partial Differential Equations

Mathematics, Score: 91/100

Topology (H)

Mathematics, Honor Course, Score: 93/100

Algebra I: Fundamentals of Algebra

Mathematics, Score: 97/100

Complex Analysis (H)

Mathematics, Honor Course, Learning

Algebra II: Abstract Algebra (H)

Mathematics, Honor Course, Learning

Real Analysis (H)

Mathematics, Honor Course, Learning

(Advanced) Probability Theory

Languages

Chinese

Native Language



English

TOEFL 102 (R 29 L 24 S 21 W 28)



Date of Birth: Sep 10, 2007.


Keywords: Self-learning, Pure Mathematics, Applied Mathematics

Education

University of Science and Technology of China

Mathematics (Expected Graduation: June 2027)

GPA 3.95/4.30 (91.43/100)

 <https://academic.luosw.com.cn>

- Ranked 15th/205 among all students majoring in Mathematics at USTC
- Relevant Coursework: Partial Differential Equations, Topology, Algebra, Probability Theory.

Experience

Algebra and Number Theory Summer School

Institute of Mathematics, Chinese Academy of Science

 <https://antss.amss.ac.cn>

- Advisor: **Prof. Shouwu Zhang** (Princeton University)
- Learning courses of Algebraic Geometry, Algebraic Number Theory and Representation Theory of finite groups

Representation Theory Seminar

University of Science and Technology of China

- Advisor: **Prof. Shucheng Yu**

I was invited to perform **3 lectures on the construction of representations, Schur’s lemma, Maschke’s theorem, and the irreducible decomposition of regular representations of finite groups**. The main textbook is P. WEBB A *Course in Finite Group Representation Theory*.

Freshman Science & Society Seminar

University of Science and Technology of China

- Advisor: **Prof. Xiaosong He** (University of Science and Technology of China)
- We constructed an experiment to discover the relationship between attention and the working memory. Additionally, we also attempted to discover the method by which we remember colours in working memory.

Honors

Honorable Mention in Written Exam

2025 S.-T. Yau College Student Mathematics Contest

 <http://yau-contest.com/show-86-81.html>

- Rank 29 among the undergraduates taking the written exam on Analysis and Partial Differential Equations**
- S.-T. Yau College Student Mathematics Contest is initiated by Professor Shing-Tung Yau in 2010. It focuses on selecting excellent mathematical talents according to the standards of postgraduate examination in first-class universities abroad.

Member of the School of the Gifted Young

School of the Gifted Young

 <https://sgy.ustc.edu.cn/main.htm>

Member of the Hua Loo-Keng Talent Program in Mathematics

Department of Mathematics, USTC

 <https://math.ustc.edu.cn/hlgb/list.htm>

Outstanding Freshman Scholarship

School of the Gifted Young, USTC

Scholarship for Hua Loo-Keng Talent Program in Mathematics November 2024

Department of Mathematics, USTC

Chen Linyi Honored Scholarship

Ranked 2nd/40 in class