

Jupeng Cao

School of Mathematics
South China University of Technology (SCUT)
Guangzhou, Guangdong 510000, China

19898025525
macao_jupeng@mail.scut.edu.cn

Statement

I am a senior undergraduate majoring in mathematics, with a keen interest in algebraic topology and geometric topology. For my upcoming graduate career, I am privileged to have the guidance of [Prof. Pan Huiping](#) (潘会平老师) at SCUT. Under his mentorship this semester, I am immersed in studying the thoery of *Quadratic Differentials* and *Teichmüller Spaces*, areas of research that deeply explore the topology and geometry of *Riemann Surfaces*. During this semester, I am also presenting a report on the *Quadratic Differentials* by Stebel in Prof. H. Pan’s reading seminar.

Education

M.S.	Geometric Topology	South China University of Technology	2024.07-(future)
B.S.	Mathematics and Applied Mathematics	South China University of Technology	2020-present

Award

The 13th National College Student Mathematics Competition -Guangdong provincial second prize	2021
The 14th National College Student Mathematics Competition -Guangdong provincial second prize	2022
Passed CET-4 and CET-6.	

Major courses

Mathematical Analysis	Partial Differential Equation
Linear Algebra	Ordinary Differential Equations
Abstract Algebra	Numerical Analysis
Real Variable Function	Probability Theory
Functional Analysis	Mathematical,statistics
Complex Variable Function	Analytical Geometry
Differential Geometry	Mathematical Logic

Seminars

Homological Algebra Reading Seminar	Prof. Zheng Zhujun (郑驻军老师)	2023-06 - 2024-01
Quadratic Differentials Reading Seminar	Prof. Pan Huiping (潘会平老师)	2023-10 - 2024-05
Frontier Summer School in Topology	Yau Mathematical Sciences Center	2024-07-01 - 2024-07-09
Nankai Summer School	Li Qiongling (李琼玲老师)	2024-07-28 - 2024-08-03