Jupeng Cao

School of Mathematics   19898025525
South China University of Technology (SCUT)   macao_jupeng@mail.scut.edu.cn
Guangzhou, Guangdong 510000, China

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