

Tongtong Liang

Curriculum Vitae

SUSTech

Shenzhen

China

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Research Interests

Algebraic topology and algebraic geometry, especially homotopy theory and its application.

Homepage

tongtongliang.github.io

Education

2021–Present **Southern University of Science and Technology, Shenzhen, China**, *Master in Mathematics (expected June, 2023)*, Advisor: Yifei Zhu

2017–2021 **Southern University of Science and Technology, Shenzhen, China**, *Bachelor in Mathematics*

Seminar Organization

2021–Present Graduate topology seminar
2020 Online seminar on higher categories
2019 Seminar on geometry and topology

Presentations

2022	Methods of homotopy theory in algebraic geometry	Graduate topology seminar
2021	From model categories to ∞ -categories	Seminar on model categories
2021	All concepts are Kan extensions	Seminar on model categories
2021	Homotopy coherence problem and ∞ -categories	Graduate topology seminar
2021	Introduction to spectral sequences	Graduate topology seminar
2021	Introduction to Steenrod operations	Graduate topology seminar
2021	On the Grothendieck-Riemann-Roch theorem	Seminar on algebraic number theory
2020	An introduction to higher categories	Online seminar on higher categories
2019	Introduction to schemes	Seminar on geometry and topology
2018	Introduction to ringed spaces	Seminar on geometry and topology
2018	Introduction to categories and sheaves	Seminar on geometry and topology

Summer School Participation

2022	Summer School on Chromatic Homotopy Theory and Higher (Infinity-Categorical) Algebra	<i>BIMSA(online)</i>
2021	Summer School on Equivariant Homotopy Theory	<i>Fudan University(online)</i>
2020	Motivic, Equivariant and Non-commutative Homotopy Theory	<i>IHES(online)</i>
2019	Algebra and Number Theory	<i>Chinese Academy of Sciences</i>

Academic Awards

Jan. 2022	Outstanding Teaching Assistant Award
Jun. 2021	Outstanding Undergraduate Thesis Award

Grades

Master GPA	3.8/4
Bachelor GPA	3.71/4

Graduate Coursework

Algebraic Topology	A
Algebraic Geometry	A
Commutative Algebra	A+
Differentiable Manifolds	A
Topics in Algebra and Number Theory	A+
Topics in Geometry and Topology	A+
Lie Groups and Representations	A

Teaching

Fall 2021	Teaching Assistant for MA213-16 (Mathematical Analysis)
Spring 2021	Grader for MAT8021 (Algebraic Topology)

Service

2021–Present	Barista	<i>Camerata Coffee Community, SUSTech</i>
2021–Present	Student tutor	<i>Learning Center, SUSTech</i>
2020–Present	Sports rehabilitator	<i>Combat club, SUSTech</i>