Tongtong Liang

Curriculum Vitae

SUSTech
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Research Interests

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

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*
2014–2017	**Shenzhen Middle School, Shenzhen, China**, *Experimental Curriculum*

Seminar Organizing

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
	BIMSA(online)
2021	Summer School on Equivariant Homotopy Theory	*Fudan University(online)*
2020	Motivic, Equivariant and Non-commutative Homotopy Theory	*IHES(online)*
2019	Algebra and Number Theory	*Chinese Academy of Sciences*

Academic Awards

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

Grades

Master GPA	3.8/4 (1st in class)
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)

Outreach

2021–Present	Student tutor	*Learning Center, SUSTech*
2021–Present	Barista	*Camerata Coffee Community, SUSTech*
2020–Present	Sports rehabilitator	*Combat club, SUSTech*