

Tongtong Liang

Curriculum Vitae

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Research Interest

Algebraic topology and related fields.

Homepage

tongtongliang.github.io

Education

2017–2021 **Undergraduate**, *Southern University of Science and Technology*, Shenzhen, China.
Majoring in Mathematics

Comment My advisor is Professor Yifei Zhu

2019–2021 **Honor Programme in the Department of Mathematics**, *Southern University of Science and Technology*, Shenzhen, China.

Grades

At *Southern University of Science and Technology*

Total GPA 3.71/4

Comment Including general courses

Graduate Coursework

Fall 2019 Algebra(graduate) 98/100

Taken at Southern University of Science and Technology

Algebraic Geometry 95/100

Spring 2020 Algebraic Topology PASS
Commutative Algebra 91/100
Differential Manifolds 93/100

Taken at Southern University of Science and Technology

Teaching

Spring 2021 Teaching Assistant for MAT8021(Algebraic Topology)

at Southern University of Science and Technology

Summer School

July. 29-Aug. 23, 2019 Algebra and Number Theory

at Chinese Academy of Science

July. 6-17, 2020 Motivic, Equivariant and Non-commutative Homotopy Theory at IHES(online)

Academic Activities

- Fall 2018 Attend student seminar: Geometry and Topology at Southern University of Science and Technology, organized by Professor Yifei Zhu. Give talks on basic topology, category theory and sheaf theory.
- Spring 2019 Attend student seminar: Geometry and Topology at Southern University of Science and Technology, organized by Professor Yifei Zhu. Give talks on ringed space, manifolds, linearization of manifolds and basic definition of schemes.
- Spring 2019 Attend student seminar: Algebraic Number Theory at Southern University of Science and Technology, organized by Professor Yong Hu.
- Spring 2019 Attend student seminar: Mathematical Physics at Southern University of Science and Technology, organized by Professor Liang Kong. Give talk on representable functors, universal properties and limits.
- Fall 2019 Attend student seminar: Category theory at Southern University of Science and Technology. Give talks on simplicial homology and simplicial sets.
- Spring 2020 Organize student seminar: Infinity Category Theory online. Give three talks on infinity categories (follow Lurie's Kerodon).
- Fall 2020 Attend student seminar: Algebra and Number Theory, organized by Professor Yong Hu. Give a talk on the Grothendieck-Riemann-Roch theorem.
- Spring 2021 Attend graduate topology seminar, organized by Professor Yifei Zhu. Give a talk on the infinity categories, spectral sequences and power operations.