

# Bingyu Zhang

## Curriculum Vitae

Institut Fourier, Université Grenoble-Alpes,  
100 rue des Mathématiques, 38610 Gières, France  
✉ [bingyu.zhang@univ-grenoble-alpes.fr](mailto:bingyu.zhang@univ-grenoble-alpes.fr)  
📄 [byzhang.cn](http://byzhang.cn)

Update: 03/09/2020

## Research Interests

I am interested in mathematics from physics, in particular, symplectic geometry/topology and mirror symmetry.

Now, I am focusing on sheaves techniques in symplectic geometry. At the beginning, we are trying to use sheaf to obtain some results about symplectic geometry of cotangent bundles. The next, we will go beyond the cotangent bundle to general symplectic manifolds.

I am also interested in gauge theory.

## Education

Present **PhD student in Pure mathematics**, *Université Grenoble Alpes*, Grenoble, France.

Project : Sheaves Techniques and Symplectic Geometry.

Damien Gayet, Stéphane Guillermou, and Claude Viterbo

2018–2019 **M2R Fundamental Mathematics**, *Université Grenoble Alpes*, Grenoble, France.

Advisor : Stéphane Guillermou

2015–2018 **MS in Pure Mathematics**, *AMSS, CAS*, Beijing, China.

Advisor : Wei-dong Ruan

2011–2015 **BS in Mathematics**, *Hunan University*, Changsha, Hunan, China.

Advisor : Jun Li

## Talks

July 2020 Embedding problem from microlocal sheaf theory.

Shanghai Maths Seminar, Tongji University

April 2020 Homotopy equivalence of nearby Lagrangian and sheaf quantization.

Student Seminar on Symplectic Geometry, Princeton University

May 2017  $A_\infty$ -relations and Fukaya Categories.

Topics on Non-commutative Geometry, YMSC, Tsinghua University

## Awards

Sep. 2018 IDEX M2 Scholarship of Université Grenoble Alpes.

Sep. 2015 Excellent New Student Scholarship, AMSS, CAS.

2012, 2014 The First Class Scholarship, Hunan University.

Aug. 2014 Shiing-Shen Chern (Geometry and Topology) Silver Award, S.T. Yau College Student Mathematics Contests.

## Activities Organized

May, 2020 Bingyu's Friends - Young Mathematicians Colloquium, online.

Spring, 2017 Student Seminar on K3 Surfaces, AMSS, CAS.

Winter, 2016 Student Seminar on Homological algebra, Sheaves and Stacks, AMSS, CAS.

Spring, 2016 Student Seminar on Gauge Theory, AMSS, CAS.

---

## Languages

Chinese Mother tongue

English Intermediate

French Beginner