

# Bingyu Zhang 张秉宇

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## Research Interests

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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

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### Université Grenoble Alpes

*Ph.D. student in Pure mathematics*

Project : Sheaves Techniques and Symplectic Geometry.

Advisor : Damien Gayet, Stéphane Guillermou, and Claude Viterbo

**Grenoble, France**

*Present*

### Université Grenoble Alpes

*M2R Fundamental Mathematics*

Advisor : Stéphane Guillermou

**Grenoble, France**

*2018–2019*

### Academy of Mathematics and Systems Science, CAS

*MS in Pure Mathematics*

Advisor : Wei-dong Ruan 阮卫东

**Beijing, China**

*2015–2018*

### Hunan University

*BS in Mathematics*

Advisor : Jun Li 李军

**Changsha, Hunan, China**

*2011–2015*

## Talks

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**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

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**2018** : IDEX M2 Scholarship of Université Grenoble Alpes.

**2015** : Excellent New Student Scholarship, AMSS, CAS.

**2012,2014** : The First Class Scholarship, Hunan University.

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

## Activities Organized

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**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.

## Skill

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**Cooking** : Intermediate

*I would like to be a chef if I don't want to do math anymore.*

**Chinese** : Mother tongue

**English** : Intermediate

**French** : Beginner

*Maybe nothing*