

Bingyu Zhang

Curriculum Vitae

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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 **Université Grenoble Alpes, Grenoble, France.**

PhD in Pure mathematics

Subject : Sheaves Techniques and Symplectic Geometry.

Advisor : Damien Gayet, Stéphane Guillermou, and Claude Viterbo

2018–2019 **Université Grenoble Alpes, Grenoble, France.**

M2R Fundamental Mathematics

Thesis : Symplectic Non-squeezing Results through Sheaf Theory.

Advisor : Stéphane Guillermou

2015–2018 **Academy of Mathematics and Systems Science, CAS, Beijing, China.**

MS in Pure Mathematics

Thesis : The GKS Sheaf Quantization and its Applications.

Advisor : Weidong Ruan

2011–2015 **Hunan University, Changsha, Hunan, China.**

BS in Mathematics

Thesis : On Calculation of Some Sheaf Cohomologies in Complex Geometry.

Advisor : Jun Li

Talks

May 2017 A_∞ -relations and Fukaya Categories.

Topics on Non-commutative Geometry, YMSC, Tsinghua University.

Awards

Sep. 2018 IDEX Université Grenoble Alpes Master Scholarships.

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

2012, 2014 The First Prize Scholarship, Hunan University.

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

Activities Organized

- 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