

Renjie Lyu

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I am currently a Ph.D. student at University of Amsterdam. I have interests on algebraic geometry, in particular on algebraic cycles, Hodge theory and derived categories of hyperkähler varieties.

Education

- B.S. Mathematics, Zhejiang University, July 2014.
Thesis: Chern Classes of Line Bundles on Compact Complex Manifolds.
- M.A. Mathematics, Washington University in St. Louis, May, 2016.
- Ph.D. Candidate Mathematics, University of Amsterdam, 2017.
Advisor: Shen, Mingmin

Talks

- Chow rings of hyper-Kähler manifolds, GAEL XXV, June 26-30, 2017, Bath, UK.
- Basics of abelian varieties, Seminar on Good Reduction of Abelian Varieties, October 19, 2016.
- Tate modules and fundamental groups of abelian varieties, Seminar on Good Reduction of Abelian Varieties, February 01, 2017.

Organizations

- Seminar on Good Reduction of Abelian Varieties, University of Amsterdam, Fall 2016.

Teaching Experience

Teaching Assistants

- Topology, Spring 2017.
- Representation Theory, Fall 2016.

Grader

- Introduction to Lebesgue Integration, Grader, Spring 2016.
- Complex Analysis II, Grader, Spring 2016.
- Complex Variables, Grader, Fall 2015.

- Geometry I, Grader, Fall 2015.
- Complex Analysis I, Grader, Fall 2015.

Honors and Awards

- S.-T. Yau College Student Mathematics Contest 2013, Geometry and Topology, Bronze Medal.
- Graduate Fellowship, Washington University in St. Louis, 2014-2015.

Conferences attended

- GQT Colloquium, Den Dolder, The Netherlands, July 2017.
- GAeL XXV, University of Bath, UK, June 2017.
- Cycles and Moduli, ETH Zürich, Switzerland, March 2017.
- Hyper-Kähler Manifolds, Hodge Theory and Chow Groups, Sanya, China, December 2016.
- GQT Colloquium, Den Dolder, The Netherlands, November 2016.
- Student Conference of the IRTG 1800, University of Leiden, August 2016.
- AGNES, University of Yale, April 2016.
- Higher Codimension Cycles on Algebraic Varieties, University of Illinois at Chicago, March 2016.
- Graduate Bootcamp, AMS Summer Institute in Algebraic Geometry, University of Utah, July 2015.
- AMS Summer Institute in Algebraic Geometry, University of Utah, July 2015.
- FRG Workshop: Hodge Theory, Moduli, Representation Theory, Washington University in St. Louis, April 2015.
- Workshop on Chow groups, motives and derived categories, IAS, May 2015.
- AGNES, Philadelphia, University of Pennsylvania, October 2014.