

Angelina Zheng

CURRICULUM VITAE

Contact Information

University of Pavia
Department of Mathematics “Felice Casorati”
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Current Position

February 2022 – Present
Postdoctoral fellow, University of Pavia

Research interests

- Rational cohomology of moduli spaces
- Moduli spaces of curves
- Trigonal curves
- Configuration spaces

Education

2018 – 2021

PhD in Mathematics

University of Padova
Title of dissertation: “On the cohomology of moduli spaces of trigonal curves.”
Supervisor: Prof. Orsola Tommasi

2016 – 2018

Master degree (*laurea magistrale*) in Mathematics

University of Bologna
Curriculum: General and applicative
Title of dissertation: “Comparison theorems of GAGA type and Serre duality.”
Supervisor: Prof. Luca Migliorini
Final mark: 110/110 cum laude

2013 – 2016

Bachelor degree (*laurea triennale*) in Mathematics.

University of Bologna
Title of dissertation: “Classificazione delle curve ellittiche viste come curve algebriche piane.”
Supervisors: Prof. Alessandro Gimigliano and Prof. Davide Aliffi
Final mark: 110/110 cum laude

Further education

July 19 – July 23, 2021

Trieste Algebraic Geometry Summer School (TAGSS) 2021 - Hyperkähler and Prym varieties: classical and new results, online

June 8– August 7, 2020

Virtual school Algebraic and Tropical Online Meetings (ATOM) in algebraic and tropical geometry

February 24 – February 28, 2020

Winter school Geometry, Algebra and Combinatorics of Moduli Spaces and Configurations in Dobbiaco

July 29– August 2, 2019

Summer school Moduli and Stability conditions at Leibniz Universität Hannover

June 3 – June 7, 2019

Summer school New Perspectives in Gromov-Witten theory at IMJ-PRG, Sorbonne Université, Paris

July 2018 – August 2018

Scuola Matematica Interuniversitaria 2018 - Perugia

February 2017 – July 2017

Erasmus student at University of Amsterdam

Talks and Seminars

April 6–8, 2022

Invited speaker at *Fifth Meeting for Young Women in Mathematics “Cohomological Methods in Geometry”* at the University of Freiburg.

January 29, 2022

Invited speaker at *MAP: Moduli Across the Pandemic*, online seminar series.

February 3, 2021

Graduate seminar *Introduction to the moduli space of smooth curves and its compactification* at the University of Padova.

June 26, 2020

Learning seminar *Stable reduction of curves* at the Virtual school Algebraic and Tropical Online Meetings (ATOM).

Publications and preprints

Zheng, A. *Rational cohomology of the moduli space of trigonal curves of genus 5*, manuscripta math. (2021). <https://doi.org/10.1007/s00229-021-01347-x>.

Zheng, A. *Stable cohomology of the moduli space of trigonal curves*, Preprint arXiv:2106.07245v3 (2022).

Teaching activities

October 2021 – January 2022

Geometry

Teaching assistant

Department of Physics and Astronomy, University of Padova.

Instructor: Prof. Remke Nanne Kloosterman.

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Geometry 1A

Teaching assistant

Department of Mathematics, University of Bologna.

Instructor: Prof. Mirella Manaresi.

Outreach activities

Kids University 2021, University of Padova.

Matematica: che professione?!, 2021, University of Padova.

Circoli Matematici 2020, University of Padova.

Kids University 2019, University of Padova.

Other activities

Reviewer for zbMATH, 2020–Present.

PhD representative in the Department Council, Academic Years 2019-2020 and 2020/2021.

Computer skills

- Python
- Matlab
- Singular
- Macaulay2
- L^AT_EX

- HTML

Language skills

Italian: native; English: Level C1 (IELTS: 7/9); Chinese: basic; German: basic.

Awards and Scholarship

Gini Foundation grant for a research period abroad, 2021.

Winner of “Premio di studio a favore di studenti meritevoli iscritti nell a.a. 2014/2015 a corsi di studio dell’Università di Bologna”.

Padova, May 9, 2022.