Finn Bartsch – Curriculum Vitae

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Education

PhD Mathematics, expected graduation Fall 2026
Radboud-Universiteit Nijmegen, 2022-2026
Thesis advisor: Ariyan Javanpeykar

M. Sc. Mathematics, obtained in September 2022
Johannes Gutenberg-Universität Mainz, 2020-2022
Thesis advisor: Ariyan Javanpeykar
Thesis title: *Varieties with many rational points over function fields*

B. Sc. Mathematics, obtained in June 2020
Johannes Gutenberg-Universität Mainz, 2017-2020
Thesis advisor: Manuel Blickle
Thesis title: *Delta-Ringe*

Papers

Symmetric products and puncturing Campana-special varieties (joint with Ariyan Javanpeykar and Aaron Levin)
Preprint, submitted (2024).

The Weakly Special Conjecture contradicts orbifold Mordell, and thus abc (joint with Frédéric Campana, Ariyan Javanpeykar, and Olivier Wittenberg)
Preprint, submitted (2024).

Parshin's method and the geometric Bombieri–Lang conjecture (joint with Ariyan Javanpeykar)
Indagationes Mathematicae, Jacob Murre special issue, to appear.

Weakly-special threefolds and non-density of rational points (joint with Ariyan Javanpeykar and Erwan Rousseau)
Preprint, submitted (2023).

Kobayashi–Ochiai's finiteness theorem for orbifold pairs of general type (joint with Ariyan Javanpeykar)
Journal of the Institute of Mathematics of Jussieu (2024).

Teaching

Teaching assistant, Radboud-Universiteit Nijmegen, 2023-
Exercise classes and grading for *Riemann surfaces*, *Galois Theory*, and *Sheaves and Geometry*

Teaching assistant, Johannes Gutenberg-Universität Mainz, 2019-2022
Exercise classes and grading for *Riemannsche Flächen*, *Grundlagen der Numerik*, *Zahlentheorie*, and *Mathematik für Physiker*

Talks

Conference talks

Kobayashi–Ochiai's finiteness theorem for Campana pairs of general type
DIAMANT Symposium Spring 2024 in Utrecht. (11th April 2024)

Seminar and colloquium talks

The stable reduction theorem for curves
Algebraic Geometry Seminar in Nijmegen. (19th November 2024)

Points of low degree on smooth projective curves
Algebraic Geometry Seminar in Nijmegen. (22nd October 2024)

Parshin's proof of Bombieri–Lang for subvarieties of abelian varieties
Seminar on Lang's Conjectures 2023 in Nijmegen. (1st December 2023)

The finiteness theorem of Kobayashi–Ochiai
Seminar on Lang's Conjectures 2023 in Nijmegen. (15th September 2023)