

Finn Wiersig

Personal Details

Address	Mathematical Institute, University of Oxford Oxford OX2 6GG
Date of birth	October 14th, 1999
Place of birth	Gifhorn, Germany
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Education

10/2020-04/2025	Doctor of Philosophy in Mathematics, University of Oxford
01/2020 - 02/2020	University of California at Berkeley Six informal visiting weeks via an invitation by Prof. Bernd Sturmfels
10/2017-09/2020	Bachelor of Science B.Sc. Course of studies: Mathematics with Specialisation Mathematics, Otto-von-Guericke-University Magdeburg, Bachelor's Thesis: <i>Sparse Polynomials in Polynomial Ideals</i> , supervised by Prof. Thomas Kahle Grade of Bachelor's Thesis: very good (1,0); Final Grade: with distinction (1,1)
10/2009 - 06/2017	Grammar school, Ökumenisches Domgymnasium Magdeburg, Graduated with A-levels (Abitur) with mark 1,3 Advanced courses mathematics and physics Awarded for a written assignment (Besondere Lernleistung) on determinantal ideals by the German Mathematical Society
08/2005-07/2009	Elementary school, Grundschule am Borgfelder Saatland, Bremen

Professional experience

02/2019	Student research assistant, research group of Prof. Thomas Kahle, Magdeburg Working on sparse polynomials in polynomial ideals from an algebraic perspective, with a focus on determinantal ideals
06/2018-01/2019	Undergraduate assistant, Otto-von-Guericke-University Magdeburg

Preprints

12/2021	<i>No short polynomials vanish on bounded rank matrices</i> , with Jan Draisma and Thomas Kahle, arXiv:2112.11764, submitted
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Talks

11/2021	<i>Towards a Riemann-Hilbert correspondence for D-cap modules</i> , Junior Algebra and Representation Theory Seminar, University of Oxford
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Workshop organisation

- 1/2022-03/2022 *Derived analytic geometry*, reading group co-organised with Rhiannon Savage and Jaw Swar at the University of Oxford
- 1/2022-04/2022 *p-adic Hodge theory*, reading group co-organised with James Taylor at the University of Oxford

Attended Conferences and Workshops

- 03-04/2021 *Cohomology of Varieties*, Institute of Mathematics of the Polish Academy of Sciences, Warsaw
- 09/2021 *The unity of mathematics: A conference in honour of Sir Michael Atiyah*; Isaac Newton Institute for Mathematical Sciences, Cambridge
- 09/2021 *Locally analytic representations of p-adic groups*; University of Cambridge
- 06/2021 *Conference on arithmetic geometry in honour of Luc Illusie*; Institut des Hautes Études Scientifiques, Paris
- 04/2021 *Spring school towards a mod p Langlands correspondence*; Universität Duisburg- Essen
- 12/2020 *Tropical geometry, Berkovich spaces, Arithmetic D-modules and p-adic local systems*; Imperial College London
- 11/2019 Workshop *Buildings, Varieties and Applications*; Max Planck Institute for Mathematics in the Sciences, Leipzig
- 09/2019 *Real Applied Algebraic Geometry*; Technical University of Berlin
- 09/2019 *Convexity Day*; Max Planck Institute for Mathematics in the Sciences, Leipzig
- 11/2018 Presentation of an exercise on the compactness of basic semialgebraic sets
- 11/2018 *Chow Lectures: by Peter Scholze*; Max Planck Institute for Mathematics in the Sciences, Leipzig

Teaching

- Oxford Tutor for the *Sarah Lawrence Programm* at Wadham College, teaching *Multivariable Calculus*; Trinity 2022
- Tutor for *C2.6 Introduction to Schemes*; Hilary 2022
- Tutor for *C2.7 Category Theory*; Michaelmas 2021
- Teaching assistant for *C2.5 Non-commutative rings*; Hilary 2021
- Teaching assistant for *B2.1 Introduction to Representation Theory*; Michaelmas 2020

Recognition

- 10/2020-9/2024 *Mathematical Institute Award* of the Mathematical Institute of the University of Oxford
- 03/2019-09/2020 Scholarship of the *Studienstiftung des Deutschen Volkes*
- 10/2018 - 03/2019 Scholarship *Deutschland-Stipendium*
- 2017 Award for graduation A-level (*Abiturpreis*) of the German Mathematical Society