

Curriculum Vitae

Florian Riedel

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Personal Data

Name:	Florian Riedel
Address:	Mathematics Münster Einsteinstrasse 62 48149 Münster
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Employment

2026-2030 | Postdoc, University of Münster

Education

2023-2026	PhD Mathematics, University of Copenhagen Advisors: Robert Burklund and Jesper Grodal Thesis: “Two interactions between stable homotopy theory and geometry”
2019–2022	Msc Mathematics, University of Münster Adivsors: Thomas Nikolaus and Achim Krause Thesis: “On the deformation theory of $\mathbb{E}_\infty$ -coalgebras”
2016–2019	Bsc Mathematics, University of Münster Advisor: Eugen Hellmann Thesis: “Galois categories and the étale fundamental group”

Research Interests

Stable homotopy theory and higher algebra. In particular deformation theory, higher algebra in positive characteristic and motivic homotopy theory.

Preprints

- [1] Anish Chedalavada and Florian Riedel. *The invariant cell number property for $\mathbb{E}_4$ -rings*. 2026. arXiv: [2610.22162 \[math.AT\]](#). URL: <https://arxiv.org/abs/2610.22162>.
- [2] Qingyuan Bai, Shachar Carmeli, Branko Juran, and Florian Riedel. *On the K-theory of algebraic tori*. 2025. arXiv: [2507.12954 \[math.KT\]](#). URL: <https://arxiv.org/abs/2507.12954>.
- [3] Florian Riedel. *Reduced points of $\mathbb{E}_\infty$ -rings in positive characteristic*. 2025. arXiv: [2508.12462 \[math.AT\]](#). URL: <https://arxiv.org/abs/2508.12462>.
- [4] Florian Riedel. *On the deformation theory of $\mathbb{E}_\infty$ -coalgebras*. 2024. arXiv: [2303.12958 \[math.AT\]](#). URL: <https://arxiv.org/abs/2303.12958>.

Invited Talks

Columbia Algebraic Topology seminar	May 2026
UChicago Topology seminar	April 2026
MIT Algebraic Topology seminar	April 2026
GAUS Workshop: Motives and Higher Categories, JGU Mainz	October 2025
Young Topologist Meeting 2025, KTH Stockholm	June 2025
Kolloquium Geometrie und Arithmetik, JGU Mainz	October 2024
Young-HOM Online Seminar	April 2024

Conferences and workshops organized

Young Topologists Meeting 2026	June 2026
Masterclass: Proof of the geometric Langlands conjecture	August 2025
Masterclass: Arithmetic and Homotopy Theory	June 2025
Masterclass: Exit Paths and Stratified Homotopy Types	June 2024

Teaching

University of Copenhagen

Algebraic Geometry 2, TA	Block 1 2025/2026
Commutative Algebra, TA	Block 2 2024/2025
Geometric Topology, TA	Block 2 2023/2024

University of Münster

Algebraic Geometry I, TA	Winter 2021/2022
Abstract Algebra, TA	Summer 2020
Algebraic Topology I, TA	Winter 2019/2020
Linear Algebra II, TA	Summer 2019
Linear Algebra I, TA	Winter 2018/2019
Linear Algebra II, TA	Summer 2018
Analysis I, TA	Winter 2017/2018

Language Proficiency

German:	First Language
English:	Fluent