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🏠 25 July 2001 🇩🇪 German



Education

03/2026 – **Ph.D., Universität Regensburg**
10/2023 – 02/2026 **M.Sc., Universität Regensburg** in Mathematics
Thesis: *Connected sum decompositions of manifolds and submanifolds*
Grade: 1.0
10/2024 – 06/2025 **MASt, University of Cambridge** in Pure Mathematics
Essay: *Rigidity Theorems for Hyperbolic Groups*
Pass with Distinction
10/2024 – 10/2023 **B.Sc., Universität Regensburg** in Mathematics
Thesis: *The Alexander polynomial of Satellite Knots*
Grade: 1.0

Teaching experience

Summer term 2026 **Elementary Geometry for teacher training**
organisation of exercise classes and tutoring an exercise class
as a student tutor exercise classes for **Analysis I, Linear Algebra II, Algebra** and
Introduction to Probability Theory

Publications

Journal Articles and Preprints

- Stefan Friedl, Tobias Hirsch, and Marc Kegel, “The unsolvability of the homeomorphism problem,” 2026, [🔗 arxiv.org/abs/2411.08775](https://arxiv.org/abs/2411.08775), Preprint.
- Stefan Friedl, Tobias Hirsch, Clayton McDonald, José Pedro Quintanilha, and Daniel Zach, “Cobordism equivalence for codimension-one submanifolds,” 2026, [🔗 arxiv.org/abs/2605.04795](https://arxiv.org/abs/2605.04795), Preprint.
- the 31 participants of the 2024 Workshop on 4-manifolds and algorithms in Regensburg, “Algorithms in 4-manifold topology,” to appear in *Algebraic and Geometric Topology*, 2025, [🔗 arxiv.org/abs/2411.08775](https://arxiv.org/abs/2411.08775), Preprint.

Conference Proceedings

- eight participants of the 2024 MATRIX-MFO Tandem Workshop 2439a, “Invariants of spatial graphs,” in *MATRIX-MFO Tandem Workshop: Invariants in Low-Dimensional Topology: Combinatorics, Geometry, and Computation*, Oberwolfach Rep. 21, 2024.

Reference

Stefan Friedl Ph.D. advisor, ✉️ sfriedl@gmail.com