

Dr. Dennis Ulbrich

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EDUCATION

Dr. rer. nat. in Mathematics

University of Bremen, Department of Mathematics

4.2017 — 9.2021

- PhD thesis: Ergodic theory of nonlinear waves in discrete and continuous excitable media
 - Advisors: [Prof. J. Rademacher](#), [Prof. M. Keßeböhrer](#)
 - Referees: Prof. J. Rademacher (University of Bremen), [Prof. I. Melbourne](#) (Warwick University)
- cf. [MGP](#)

Brückenstipendium of the University of Bremen

University of Bremen, Department of Mathematics

4.2016 — 4.2017

- Further studies
- Extensions of the results of my Master's thesis
- Successful acquisition of third-party funding (DFG) for my PhD project

M.Sc. and B.Sc. in Mathematics

University of Bremen

until 4.2016

- M.Sc. thesis: Dynamics of the three-state 1D Greenberg-Hastings cellular automaton
 - Referees: Prof. J. Rademacher, [Dr. T. Samuel](#) (University of Exeter)
- B.Sc. thesis: Unerwartete Fehler bei bedingten Erwartungswerten und Wahrscheinlichkeiten
 - Referees: [Prof. W. Brannath](#) (University of Bremen), [Dr. K. Falk](#) (University of Kiel)

EMPLOYMENT

Postdoctoral researcher

Hochschule Bremen, School of Electrical Engineering and Computer Science 2.2025 — 5.2025

- Project work: AI-based transmission, analysis and verification of handwritten documents

Lecturer in Mathematics

Hochschule Bremen, School of Nature and Engineering

10.2024 — 3.2025

- Mathematik 1

Postdoctoral Researcher

University of Münster, Department of Mathematics, Institute for Analysis and Numerics

6.2023 — 6.2024

- Research on discrete hypocoercivity within [DFG project 456849348](#)
- Keywords:
 - Hypocoercivity
 - Kinetic equations
 - BGK-type approximations
 - Chemical reactions
 - Entropy methods
- Supervision: [Prof. M. Pirner](#)

OTHER

- Talk: [Misadventures with Reproducibility in R](#) (30 Nov 2022, R Ladies Melbourne Meetup)
- Talk: [Designing R Packages](#) (4 Oct 2022, Monash EBS Data Science Research Software Study Group)
- Talk: [Quarto Websites as Research Compendiums](#) (16 Aug 2022, Monash EBS Data Science Research Software Study Group)
- Workshop: [Writing academic papers with Rmarkdown and friends](#) (9 Aug 2022, Monash University)

REFERENCES

Available upon request