

Lucas Maximilian Fix

Employment History

- Apr. 2023 – Jul. 2024 ■ **Teaching Assistant** in the Analysis and Mathematical Modelling Section at Heidelberg University, for the lectures *Partielle Differentialgleichungen* and *Variationssrechnung 2* (editing lecture materials, supervision of seminar talks, organizational tasks).
- Oct. 2021 – Mar. 2023 ■ **Student Assistant** at Heidelberg University, leading tutorials for the lectures *Analysis 1*, *Analysis 2* and *Höhere Analysis*.
- Oct. 2020 – Mar. 2021 ■ **Student Assistant** at Heidelberg University, leading tutorials for the lecture *Analysis 1*.

Education

- since Oct. 2021 ■ **Master of Science in Mathematics, Heidelberg University.**
- Thesis title: *Elliptic Regularity Theory for the Robin Laplacian on Domains with an Exterior Cusp* (Supervisor: Prof. Dr. H. Knüpfer).
 - Specialisations: *Applied analysis*, especially *partial differential equations* and *calculus of variations*.
- Oct. 2017 – Sep. 2021 ■ **Bachelor of Science in Physics, Heidelberg University.**
- Thesis title: *Nonlinear Electrodynamics and its Applications in Cosmology* (Supervisor: Prof. Dr. M. Bartelmann).
 - Specialisations: *Theoretical physics* and *astrophysics*.
- Jun. 2017 ■ **Abitur, Gymnasium Neuenbürg**



Memberships

- since Aug. 2023 ■ **Member of the Young Researchers Convent**, a subgroup of the STRUCTURES Cluster of Excellence.
- since Jan. 2023 ■ **Participation in the PhD Discussion Group**, a biweekly meeting of postdocs, PhD and master's students from the applied analysis groups at Heidelberg University to discuss their research.
- since Nov. 2022 ■ **Participation in the Applied Analysis Seminar**, a weekly meeting of professors, postdocs, PhD and master's students from the applied analysis groups at Heidelberg University to share the latest results in applied analysis.

Invited Talks

- Jul. 2024 ■ University of Augsburg, Oberseminar *Mathematische Modellierung und partielle Differentialgleichungen*

Workshops

- Jun. 2024  **Conference on Calculus of Variations in Lille - 4th edition**, workshop at Laboratoire Paul Painlevé, Université de Lille.
- Apr. 2023  **Compact course “The gradient flow structure of mean curvature flow”**, given by STRUCTURES guest Prof. Dr. T. Laux at Heidelberg University.

References

Available on request.