Lucas Maximilian Fix

✉ Lucas.Fix@gmx.de   ☎ +49 176 87903769

🏠 Mönchhofstraße 5, 69120 Heidelberg, Germany

📅 born on 07.05.1998 in Pforzheim, Germany

🌐 STRUCTURES YRC Profile

Employment History

Apr. 2023 – Jul. 2024	**Teaching Assistant** in the Analysis and Mathematical Modelling Section at Heidelberg University, for the lectures *Partielle Differentialgleichungen* and *Variationsrechnung 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*.
since Oct. 2017	**Private tutor** at the Studentenring, giving private tuition hours in mathematics for highschool students.

Education

since Oct. 2021	**Master of Science in Mathematics, Heidelberg University**, current grade: 1.0.

- Thesis title: *Elliptic Regularity Theory for the Robin Laplacian on Domains with an Exterior Cusp.* In preparation (Supervisor: Prof. Dr. H. Knüpfer).
- Specializations: *Applied analysis*, especially *partial differential equations* and *calculus of variations*.

Oct. 2017 – Sep. 2021	**Bachelor of Science in Physics, Heidelberg University**, final grade: 1.4.

- Thesis title: *Nonlinear Electrodynamics and its Applications in Cosmology.* Grade: 1.0 (Supervisor: Prof. Dr. M. Bartelmann).
- Specializations: *Theoretical physics* and *astrophysics*.

Sep. 2009 – Jun. 2017	**Abitur, Gymnasium Neuenbürg**, final grade: 1.0, prices for the best overall graduation and the performance in different courses.

Skills

Languages	German *(Mother Tongue)*, English *(Fluent)*.
IT	LaTeX, Microsoft Office.
Coding	Basics in Python.

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.

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.

Invited Talks

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

References

Available on request.