

JOËL BEIMLER

University of Southern Denmark
IMADA Department of Mathematics and Information Theory

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RESEARCH INTERESTS

Symplectic geometry, Lefschetz fibrations and Weinstein manifolds, homological mirror symmetry

EDUCATION

Since 2023, University of Southern Denmark

- Ph.D. in mathematics, expected graduation 2026
- Advised by Vivek Shende.

2019–2021, ETH Zürich

- M.Sc. in mathematics, GPA: 6.0/6.0
- Thesis: Strong Symplectic Fillings of Contact Manifolds through Lefschetz-Bott Fibrations: Revisited
- Advised by Bahar Acu and Ana Cannas da Silva

2019–2020, University of Tokyo

- Semester abroad as part of M.Sc. studies
- Thesis: The Duistermaat-Heckman Theorems with an Application to Harish-Chandra-Itzykson-Zuber
- Advised by Takuya Sakasai

2016–2019, ETH Zürich

- B.Sc. in mathematics, GPA: 5.1/6.0
- Thesis: The Classification of Surfaces equipped with Area Forms
- Advised by Ana Cannas da Silva

PREPRINTS

1. **Handlebodies for the Painlevé Betti Spaces** (joint with William Olsen). arXiv preprint.
<https://arxiv.org/pdf/2511.17352>

TALKS

4. *The Partially Wrapped Fukaya Category*. Summer School on Partially Wrapped Fukaya Categories, Helmsley, June 2025.

¹Updated November 27, 2025

3. *Introduction to Quilted Floer Homology*. European Kylerec, Oppdal, March 2025.
2. *Open Books and Lefschetz Fibrations*. Junior Symplectic Geometry Seminar, ETH Zürich, May 2021.
1. *Delzant's Classification of Symplectic Toric Manifolds*. Introductory talk to T. Sakasai's research group, University of Tokyo, October 2019.

TEACHING EXPERIENCE

University of Southern Denmark

- **Linear Algebra**, Fall 2025, Department of Data Science
- **Combinatorics**, Spring 2025, Department of Mathematics
- **Functional Analysis**, Fall 2024, Department of Mathematics

ETH Zürich

- **Analysis II**, Spring 2021, Department of Electrical Engineering
- **Analysis I**, Fall 2020, Department of Mathematics
- **Analysis II**, Spring 2020, Department of Mathematics
- **Complex Analysis**, Spring 2019, Department of Electrical Engineering

INDUSTRY JOBS

March 2023 – June 2023, Cloud Software Engineer at Zühlke Group

October 2021 – December 2022, Consultant at AWK Group AG

AWARDS AND FELLOWSHIPS

- **Willi-Studer prize**, 2022, for outstanding performance in M.Sc. program
- Member of the **Swiss Study Foundation**, since 2016