

# FRED LIN

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Department of Mathematics, University of Bonn

## EDUCATION

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**University of Bonn, Germany**

*October 2021 - present*

PhD in Mathematics

Advisor: Christioh Thiele

**National Taiwan University, Taiwan**

*June 2021*

Master in Mathematics

Advisor: Chun-Yen Shen

**National Taiwan University, Taiwan**

*January 2019*

Bachelor in Mathematics

## PUBLICATION

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1. *A sharp Hörmander condition for bilinear Fourier multipliers with Lipschitz singularities*, Jiao Chen, Martin Hsu, Fred Yu-Hsiang Lin (Preprint) (2024) <https://arxiv.org/abs/2403.04721>
2. *On the family of singular Brascamp-Lieb inequalities with dimensions 1,2,2, and 1*, Fred Yu-Hsiang Lin, (Preprint) (2023) <https://arxiv.org/abs/2212.11066>
3. *Muckenhoupt-type weights and the intrinsic structure in Bessel Setting* Ji Li, Chong-Wei Liang, Fred Yu-Hsiang Lin, and Chun-Yen Shen, (Preprint) (2023) <https://arxiv.org/abs/2304.07986>

## TEACHING EXPERIENCE

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TA, Real and harmonic analysis, Uni Bonn

*summer 2022*

TA, Honor course of analysis, NTU

*summer 2020*

## INVITED TALKS

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Probability and Analysis Webinar

*November 2023*

UCLA participating analysis seminar

*May 2023*

Chapman university analysis and geometry Seminar

*April 2023*

Symposium for Young Analysts

*December 2020*

Nonlinear Phenomena in Evolutionary Partial Differential Equations

*April 2020*

## EVENTS

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Summer school of analysis of multiple ergodic averages

*October 2023*

Upenn study guide writing workshop

*August 2023*

Oberwolfach Workshop "Incidence Problems in Harmonic Analysis, Geometric Measure Theory, and Ergodic Theory"

*June 2023*

Summer school of nodal domains and landscape functions

*October 2022*

Summer school of Brascamp-Lieb inequalities

*October 2021*