

TOYOMU MATSUDA

PhD candidate, Institut für Mathematik, Freie Universität Berlin.

Email: toyomu.matsuda@fu-berlin.de

Website: <https://toyomumatsuda.github.io/>

Education

- Sep 2023 PhD in Mathematics, Freie Universität Berlin (expected).
Supervised by Prof. Nicolas Perkowski.
A member of the IRTG 2544: Stochastic Analysis in Interaction.
Research stay in Oxford hosted by Prof. Rama Cont (Oct 2022 - Feb 2023).
- Mar 2020 MSc in Mathematics, Kyushu University.
Supervised by Prof. Yuzuru Inahama.
- Mar 2018 BSc in Mathematics, Kobe University.
Supervised by Prof. Kajino Naotaka.

Publications and Preprints

Publications.

- [1] Toyomu Matsuda. Integrated density of states of the anderson hamiltonian with two-dimensional white noise. *Stochastic Processes and their Applications*, 153:91–127, 2022.

Preprints.

1. *An extension of the stochastic sewing lemma and applications to fractional stochastic calculus*, with Nicolas Perkowski, 2022.
2. *Anderson Hamiltonians with singular potentials*, with Willem van Zuijlen, 2022.
3. (Preprint available upon request.) *Regularization by fractional noise for $L_t^q L_x^p$ -drift*, with Oleg Butkovsky and Khoa Lê, 2023.

Organizations of conferences and seminars

- Dec 8-10, 2022 16th Oxford-Berlin Young Researchers Meeting on Applied Stochastic Analysis.

Teaching

- Summer, 2022 Probability 2 (discrete-time stochastic processes), tutorials.

Miscellaneous

- Information on talks is available at <https://docs.google.com/spreadsheets/d/1Hq3xC7zkISbY0wTR03KgFj2qLucA5ffEd2mheP6sg2M/edit#gid=0>.