

Curriculum Vitae

Jonas Köppl

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Born 24th September 1997 in Prien am Chiemsee, Germany.



University Education.

since 09/2022 Phase 2, Berlin Mathematical School.
since 09/2022 PhD Student, Weierstraß-Institute (Advisor: Benedikt Jahnell).
10/2019 - 03/2022 Phase 1, Berlin Mathematical School.
10/2019 - 03/2022 M.Sc. Mathematics, TU Berlin (Final grade: 1,0; excellent).
10/2016 - 08/2019 B.Sc. Mathematics, University of Passau (Final grade: 1,0; excellent).

Awards and Scholarships.

11/2022 Best talk award, Dies Mathematicus 2022, TU Berlin.
08/2022 Best talk award, DMV Student Conference 2022, MPI MIS Leipzig.
10/2018 - 03/2022 Scholarship holder, Studienstiftung des deutschen Volkes.
01/2020 Faculty prize, Faculty for Computer Science and Mathematics, University of Passau.

Research Interests.

As a PhD student in the field of probability theory and statistical mechanics, I am investigating the long-term behavior of large-scale systems of interacting particles with underlying spatial structures. My research combines tools from mathematical analysis, probability, and combinatorics to gain a deeper understanding of these complex systems and their behavior.

Preprints.

with Benedikt Jahnell, Bas Lodewijks, and András Tóbiás: *Percolation in lattice k -neighbor graphs*, arXiv:2306.14888 (2023).

with Benedikt Jahnell: *On the long-time behaviour of reversible interacting particle systems in one and two dimensions*, arXiv:2303.10640 (2023).

with Benedikt Jahnell: *Trajectoryal Dissipation of Φ -entropies for Interacting Particle Systems*, arXiv:2301.03922 (2023).

with Benedikt Jahnell: *Dynamical Gibbs Variational Principles for Irreversible Interacting Particle Systems with Applications to Attractor Properties*, arXiv:2205.02738 (2022).

[To appear in *Annals of Applied Probability*]

Publications.

with Natasa Djurdjevac-Conrad and Ana Djurdjevac: *Feedback Loops in Opinion Dynamics of Agent-Based Models with Multiplicative Noise*. *Entropy*. 2022; 24(10):1352.

Contributed and Invited Talks.

German Probability and Statistic Days 2023, March 2023, Essen.

BMS Student Conference 2023, February 2023, Berlin.

Universität Passau, *Analysis and Probability* Seminar, Januar 2023, Passau.

TU Berlin, Dies Mathematicus, November 2022, Berlin.

WIAS *Interacting Random Systems* Seminar, November 2022, Berlin.

DMV Annual Meeting, September 2022, Berlin.

BMS-BGSMath Junior Meeting, September 2022, Barcelona.

DMV Student Conference, August 2022, Leipzig.

Hobbies.

Roadcycling, Theater, Swimming, Climbing, Hiking.