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研究领域

- Branching random walk and Brownian snake, capacity and intersection probability, loop soup and loop ensemble, interacting particle system

教育背景

- 2012 – 2015, 2016 – 2017 北京大学 本科学位
- 2015 – 2016, 2017 – 2018 巴黎高等师范学院 硕士学位
- 2018 – 2021 巴黎第十三大学 博士学位

工作经历

- 2021 – 2023 上海纽约大学 博士后
- 2023 – 至今 中国科学院 助理研究员

学术成就

- 学术论文
 1. Boundary local times for critical branching random walk (with Xinxin Chen and Yueyun Hu), in preparation, 2024.
 2. Branching capacity of a random walk in Z^d (with Jean-François Delmas and Yueyun Hu), in preparation, 2024.
 3. Branching capacity and Brownian snake capacity (with Jean-François Delmas and Yueyun Hu), submitted to Ann. Probab., 2024.
 4. Gibbs measures for the repulsive Bose gas (with Quirin Vogel), to appear in Ann. Inst. Henri Poincaré, 2024.
 5. Convergence in law for the capacity of the range of a critical branching random walk (with Yueyun Hu), Ann. Appl. Probab. 33(6A): 4964-4994, 2023.
 6. On the crossing estimates for simple conformal loop ensembles (with Yijun Wan), Int. Math. Res. Not., 2022.
 7. Capacity of the range of branching random walks in low dimensions (with Yueyun Hu), Proc. Steklov Inst. Math. 316:26-39, 2022.
 8. Capacity of the range of tree-indexed random walk (with Yijun Wan), Ann. Appl. Probab. 32 (3) 1557 - 1589, 2022.
 9. Branching random walks conditioned on rarely survival (with Pierre Roussel), J. Stat. Phys. 185, 20, 2021.

10. On the cover time of λ - biased walk on supercritical Galton - Watson trees, Stoch. Process. Their Appl., 130(11):6863 - 6879, 2020.