

简历

个人信息 汪嵩博

1998 年 2 月 4 日出生于四川省内江市

巴黎理工学院 (IP Paris) 应用数学博士生

<https://www.normalesup.org/~swang/>

教育经历

2021— 巴黎理工学院应用数学博士生
导师: Nizar Touzi、任振杰

2017—2021 在巴黎高等师范学校 (École normale supérieure) 学习
取得巴黎-萨克雷大学和巴黎第九大学硕士学位

2014—2018 北京大学物理学本科

论文和预印本

按预印本上传时间排序

- 2024 Songbo Wang. *Uniform log-Sobolev inequalities for mean field particles with flat-convex energy*. 2024. arXiv: [2408.03283](https://arxiv.org/abs/2408.03283) [[math.PR](#)]
- 2024 Songbo Wang. *Sharp local propagation of chaos for mean field particles with $W^{-1,\infty}$ kernels*. 2024. arXiv: [2403.13161](https://arxiv.org/abs/2403.13161) [[math.PR](#)]
- 2024 Pierre Monmarché, Zhenjie Ren, and Songbo Wang. *Time-uniform log-Sobolev inequalities and applications to propagation of chaos*. 2024. arXiv: [2401.07966](https://arxiv.org/abs/2401.07966) [[math.PR](#)]
- 2023 Kai Du, Zhenjie Ren, Florin Suci, and Songbo Wang. *Self-interacting approximation to McKean-Vlasov long-time limit: a Markov chain Monte Carlo method*. 2023. arXiv: [2311.11428](https://arxiv.org/abs/2311.11428) [[math.PR](#)]
- 2023 Pierre Monmarché and Songbo Wang. *Logarithmic Sobolev inequalities for non-equilibrium steady states*. 2023. arXiv: [2309.07858](https://arxiv.org/abs/2309.07858) [[math.PR](#)]
- 2023 Fan Chen, Yiqing Lin, Zhenjie Ren, and Songbo Wang. “Uniform-in-time propagation of chaos for kinetic mean field Langevin dynamics”. In: *Electron. J. Probab.* 29, 17 (2024). DOI: [10.1214/24-EJP1079](https://doi.org/10.1214/24-EJP1079)

- 2023 Julien Claisse, Giovanni Conforti, Zhenjie Ren, and Songbo Wang. *Mean field optimization problem regularized by Fisher information*. 2023. arXiv: [2302.05938](https://arxiv.org/abs/2302.05938) [[math.PR](#)]
- 2022 Fan Chen, Zhenjie Ren, and Songbo Wang. “Uniform-in-time propagation of chaos for mean field Langevin dynamics”. In: *Ann. Inst. Henri Poincaré, Probab. Stat.* (2024). arXiv: [2212.03050](https://arxiv.org/abs/2212.03050) [[math.PR](#)]. Forthcoming
- 2022 Fan Chen, Zhenjie Ren, and Songbo Wang. “Entropic Fictitious Play for Mean Field Optimization Problem”. In: *J. Mach. Learn. Res.* 24, 211 (2023). URL: <http://jmlr.org/papers/v24/22-0411.html>
- 2017 Jun Wang, Zhao-Yu Han, Song-Bo Wang, Zeyang Li, Liang-Zhu Mu, Heng Fan, and Lei Wang. “Scalable quantum tomography with fidelity estimation”. In: *Phys. Rev. A* 101.3, 032321 (2020). DOI: [10.1103/PhysRevA.101.032321](https://doi.org/10.1103/PhysRevA.101.032321)

部分报告

- 2024-04-24 Analysis Research Interaction Team, Peking University, online
- 2024-02-27 Groupe de Travail Méthodes Stochastiques et Finance, École des Ponts, Champs-sur-Marne, France
- 2024-01-19 16ème Colloque Bachelier en Mathématiques Financières et Calcul Stochastique, Métabief, France
- 2023-06-08 Seminar of Forschergruppe 2402, online
- 2022-08-31 Journées MAS 2022, Rouen, France
- 2022-06-29 9th International Colloquium on Backward Stochastic Differential Equations, Annecy, France
- 2022-06-01 Journées de Probabilités 2022, Orbey, France
- 2021-10-19 Séminaire ASCII, Saint-Rémy-lès-Chevreuse, France

学术服务

- 2024— 为以下期刊审稿: *Probability and Mathematical Physics*
- 2023— 共同组织 [FiME](#) (能源市场金融研究中心) 博士生讨论班

其他活动

2021— [Desmo Labs](#) (曾称 *Debond*) 联合创始人、研究工程师

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