
Appointments

- 2024–2025 **Member**, *Institute for Advanced Study*, Princeton, NJ
2022–2025 **L. E. Dickson Instructor**, *University of Chicago*, Chicago, IL
2017 **Visiting Scholar**, *Georgia Institute of Technology*, Atlanta, GA

Education

- 2017–2022 **Ph.D. in Mathematics**, *The University of Texas at Austin*, Austin, TX
Advisor: Luis Caffarelli and Alexis Vasseur
2013–2017 **B.Sc. in Mathematics and Applied Mathematics** (Honors Program), *Xi'an Jiaotong University*, China
2011–2013 **Special Class for the Gifted Young**, *Xi'an Jiaotong University*, China

Publications and Preprints

- 2024 Luhao Zhang, Jincheng Yang, and Rui Gao. Optimal robust policy for feature-based newsvendor. *Manag. Sci.*, 70(4):2315–2329, 2024.
Alexis F. Vasseur and Jincheng Yang. Layer separation of the 3D incompressible Navier–Stokes equation in a bounded domain. *Comm. Partial Differential Equations*, 2024. Forthcoming.
- 2023 Jincheng Yang. Vorticity interior trace estimates and higher derivative estimates via blow-up method. *arXiv e-prints*, page arXiv:2308.09350, 2023.
Alexis F. Vasseur and Jincheng Yang. Boundary vorticity estimates for Navier–Stokes and application to the inviscid limit. *SIAM J. Math. Anal.*, 55(4):3081–3107, 2023.
- 2022 Luhao Zhang, Jincheng Yang, and Rui Gao. A simple and general duality proof for Wasserstein distributionally robust optimization. *arXiv e-prints*, page arXiv:2205.00362, 2022.
Jincheng Yang, Luhao Zhang, Ningyuan Chen, Rui Gao, and Ming Hu. Decision-making with side information: a causal transport robust approach. *OptOnline e-prints*, 2022.
Jincheng Yang. Construction of maximal functions associated with skewed cylinders generated by incompressible flows and applications. *Ann. Inst. H. Poincaré C Anal. Non Linéaire*, 39(4):793–818, 2022.
- 2021 Alexis F. Vasseur and Jincheng Yang. Second derivatives estimate of suitable solutions to the 3D Navier-Stokes equations. *Arch. Ration. Mech. Anal.*, 241(2):683–727, 2021.
- 2020 Zhiwu Lin, Jincheng Yang, and Hao Zhu. Barotropic instability of shear flows. *Stud. Appl. Math.*, 144(3):289–326, 2020.
- 2018 Jincheng Yang and Zhiwu Lin. Linear inviscid damping for Couette flow in stratified fluid. *J. Math. Fluid Mech.*, 20(2):445–472, 2018.