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Beijing International Center for Mathematical Research (BICMR)  
Peking University (PKU)  
Beijing, China

## Education

- 2024–\*      **Ph.D.**, Analysis and PDE, Pure Mathematics, Peking University  
**Advisor:** Prof. Zhenfu Wang  
2020–2024    **B.Sc.** Mathematics and Applied Mathematics, Peking University

## Awards & Honors

- 2025            May-Fourth Scholarship at Peking University  
2024            Outstanding Graduates of Regular Higher Education Institutions in Beijing  
2024            Outstanding Graduation Thesis of Beijing Universities  
2024            Huaixin Bachelor at Beijing International Center for Mathematical Research  
2023            National Scholarship  
2022            National Scholarship

## Research

[G Google Scholar](#)

## Publications

- J1. Carrillo, J. A., Feng, X., Guo, S., Jabin, P.-E. & Wang, Z. Relative entropy method for particle approximation of the Landau equation for Maxwellian molecules. *Journal de Mathématique Pures et Appliquées*. Accepted for publication (2026).
- J2. Feng, X. & Wang, Z. Quantitative propagation of chaos for 2D viscous vortex model on the whole space. *Peking Mathematical Journal*. Accepted for publication (2026).
- J3. Feng, X. & Wang, Z. Quantitative propagation of chaos for 2D viscous vortex model with general circulations on the whole space. *Nonlinearity*. Accepted for publication (2026).

## Preprints

- P1. Feng, X. & Wang, Z. Kac's Program for the Landau Equation. *arXiv preprint arXiv:2506.14309* (2025).
- P2. Cai, S., Feng, X., Gong, Y. & Wang, Z. Propagation of chaos for 2D log gas on the whole space. *arXiv preprint arXiv:2411.14777* (2024).

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\*Expected.

## Talks

- T1. *Kac's Program for the Landau Equation.* 3rd National Mathematics Frontier PhD Academic Exchange Forum (Peking University, Beijing, China). Nov. 2025.
- T2. *Kac's Program for the Landau Equation.* 23rd Annual Conference of China Society for Industrial and Applied Mathematics (CSIAM) (Changsha, China). Oct. 2025.
- T3. *Kac's Program for the Landau Equation.* Wuhan University Academic Talks (Wuhan, China). Oct. 2025.
- T4. *Quantitative Propagation of Chaos for Singular First-order System on the Whole Space.* Workshop on Mean-Field Limit (Peking University, Beijing, China). Apr. 2025.
- T5. *Quantitative Propagation of Chaos for Singular First-order System on the Whole Space.* Stochastic Webinar (Chinese Academy of Sciences and Beijing Institute of Technology, Online). Dec. 2024.

## Teaching

### Peking University

2025–2026	TA, Advanced Mathematics D
2024–2025	TA, Advanced Mathematics D

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Last updated: January 9, 2026