

GEFEI CAI

caigefei1917@pku.edu.cn

*Beijing International Center for Mathematical Research, Peking University,
No.5 Yiheyuan Road Haidian District, Beijing, P.R.China 100871.*

EDUCATION

Peking University	Sept. 2022 - Present
Graduate, Probability and Mathematical Statistics	Advisor: Xinyi Li
Peking University	Sept. 2019 - June 2022
Under Graduate, Mathematics and Applied Mathematics	

AWARDS AND HONORS

First Prize Scholarship	Peking University, 2020
Honor of Merit Student	Peking University, 2020
Excellent Graduate	Peking University, 2022
President Scholarship	Peking University, 2022

RESEARCH

Research Interests

- Schramm-Loewner Evolution; Liouville quantum gravity;
· Critical statistical physics models; Conformal field theory.

Publications

- Morris Ang, Gefe C., Xin Sun and Baojun Wu(2024+). Integrability of Conformal Loop Ensemble: Imaginary DOZZ and Beyond. *In preparation.*
- Morris Ang, Gefe C., Xin Sun and Baojun Wu(2024+). SLE Loop Measure and Liouville Quantum Gravity. *In preparation.*
- Gefe C. and Xinyi Li(2022). On Natural Measures of SLE- and CLE-Related Random Fractals. *Annales de l'Institut Henri Poincaré, Probabilités et Statistiques*, in press.