Gaoming (Carsten) Chen

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Education

Johns Hopkins University, Department of Applied Mathematics and Statistics — Baltimore, MD
Ph.D. in Applied Mathematics (in progress) — Aug 2024 – Present
- Supervisor: Fadil Santosa

Johns Hopkins University, Department of Applied Mathematics and Statistics — Baltimore, MD
Visiting Undergraduate Student — Sep 2023 – Dec 2023
- Supervisor: Fadil Santosa

Renmin University of China, School of Mathematics — Beijing, China
B.S. in Mathematics (Honor) — Aug 2020 – June 2024
- Cumulative GPA: 3.90/4.00

Publications

G. Chen, F. Santosa, W. Symes, Well-posed questions for ill-posed inverse problems: a note in memory of Pierre Sabatier, *Inverse Problem* accepted.

G. Chen, F. Santosa, A. Titi, Determination of a small elliptical anomaly in electrical impedance tomography using minimal measurements, *Inverse Problem* **40** (2024) 115006.

Talks

Gaoming Chen, *Determination of a small elliptical conductivity anomaly from minimal and optimal boundary measurements*, **Applied Inverse Problem 2025**, FGV EMAp, Rio de Janeiro, Brazil, July 31, 2025.

Teaching

Johns Hopkins University
- EN.553.636 Introduction to Data Science (Teaching Assistant) — Fall 2024, Spring 2025, Fall 2025

Service

Johns Hopkins University
- AMS First-year Ph.D. Student Seminar, Organizer — Fall 2024

Skills

Languages: Latex, Python, C/C++