Shu LI

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Education & Research Experience

PhD in Computer Science

2023–Present ENS, PSL University & INRIA, Paris. Supervisor: Ana Bušić Thesis: Learning in dynamic matching models

MSc in Mathematics

2020–2023 Shandong University of Technology. Supervisor: Jianfeng Wang Thesis: On the Matrix-Tree Theorems of Graphs. Defended: May 2023.

BSc in Mathematics and Applied Mathematics

2015–2019 Shandong University of Technology

Publications & Preprints

Journals

- 2023 Yet more elementary proof of Matrix-Tree Theorem for signed graphsS. Li and J. Wang. Algebra Colloquium, 30: 3(2023) 493-502.
- 2023 On Graphs with Small Ranks: Old and New Results
 S. Li, Z. Stanic and J. Wang. Advances in Mathematics(China), 52(3) 385-405.
- Matrix-Tree Theorem of digraphs via signless Laplacians
 S. Li, L. Lu, J. Wang and W. Wang. Linear Algebra and its Application, 658(2023) 32–48.
- 2017 Equivalence Relation and Function S. Li and H. Li.

Preprints

A graph discretization of vector Laplace operator S. Li, L. Lu and J. Wang.

Matrix-Tree Theorems for Complex Unit Gain Networks S. Li, J. Wang, M. Dehmer and M. Brunetti.

Conference Presentations & Seminars

2024	A Brief Survey on the Matrix-Tree Theorems of Graphs
	Argo Seminar
	Paris, France

- 2023 On the Matrix-Tree Theorems of Graphs The Third SDUT Postgraduate Academic Forum Zibo, China
- 2022 On graphs with small ranks: old and new results The 10th Int'l Combinatorics and Graph Theory Conference (CMS-CGT2022) Harbin, China
- 2022 A Survey on Matrix-Tree Theorem of Graphs The 9th Int'l Symposium on Graph Theory and Combinatorial Algorithms (ORSC-GTCA2022) Hangzhou, China

Academic Service

Editor

2025-Present Journal of Advances in Engineering and Technology

Peer review (Journals)

IEEE internet of things magazine Asian Journal of Mathematics and Computer Research ICECET, GPS, ICIC

Professional Memberships

- 2024-Present Société Mathématique de France(SMF)
- 2024-Present Société informatique de France(SiF)
- 2024-Present Société de Mathématiques Appliquées et Industrielles (SMAI)