Teng Zhang

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Disciplines: Mathematics

Affiliations: School of Mathematics and Statistics,
         Xi'an Jiaotong University (One of the key universities of the 985 Project)

Research Direction

Matrix Analysis
Geometry of polynomials

Education

2017.09—2021.07:   B.S. in School of Mathematics, Taiyuan University of Technology, Taiyuan 030024, P.R. China

2021.09—2023.01:   M.S. candidate in School of Mathematics and Statistics, Xi'an Jiaotong University, Xi'an 710049, P.R. China, Guided by Prof. Minghua Lin

2023.03—Now: Ph.D. candidate in School of Mathematics and Statistics, Xi'an Jiaotong University, Xi'an 710049, P.R. China, Guided by Prof. Minghua Lin

Publications

T. Zhang, Proof of Audenaert-Kittaneh's conjecture, accepted by *Israel Journal of Mathematics* in July 2024. arXiv:2401.05456 [math.FA].

T. Zhang, When D-companion matrix meets incomplete polynomials, *Journal of Mathematical Analysis and Applications* 539 (2024) 128466.

F. Nan, **T. Zhang***, An improvement and a generalization of Rotfel'd type inequalities for sectorial matrices, *Linear and Multilinear Algebra* (2024). DOI: 10.1080/03081087.2024.2376560.

M. Lin, J. Zhang, **T. Zhang**, A lower bound for the spectral radius of complex matrices, *Linear Algebra and its Applications* 656 (2023), 1–8.

M. Lin, **T. Zhang**, On an upper bound for the eigenvalues of the solution of the continuous algebraic Riccati equation, *Applied Mathematics Letters* 132 (2022), Paper No. 108194, 8 pp.

Preprints

T. Zhang, Full characterization of existence of Clarkson-McCarthy type inequalities, submitted. arXiv:2410.21961[math.FA].

Awards

National Scholarship for graduate students (for one of the best students), 09/2021-07/2022, Xi'an Jiaotong University

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