

List of Publications

Scopus ID: 57203531972

ORCID: 0000-0003-0067-9298

PUBLISHED(12)

- 2026
1. *Projection-based methods for solving multilinear systems*
Krushnachandra Panigrahy, Ratikanta Behera, Jajati Keshari Sahoo,
Computational and Applied Mathematics, 45 (2026) Article Number 419. (SCIE, SCOPUS)
DOI: <https://doi.org/10.1007/s40314-026-03774-6> (MCQ: & IF:)
 2. *Positivity of GCD tensors and their determinants*
Projesh Nath Choudhury, Krushnachandra Panigrahy,
Linear Algebra and its Applications, 731 (2026) 22-40. (SCIE, SCOPUS)
DOI: <https://doi.org/10.1016/j.laa.2025.11.007> (MCQ: & IF:)
 3. *M-QR decomposition and hyperpower iterative methods for computing outer inverses of tensors*
Ratikanta Behera, Krushnachandra Panigrahy, Jajati Keshari Sahoo and Yimin Wei,
Journal of Computational and Applied Mathematics, 474 (2026): 116951. (SCIE, SCOPUS)
DOI: <https://doi.org/10.1016/j.cam.2025.116951> (MCQ: & IF:)
- 2025
4. *A note on eigenvalue of tensors and its application*
Snigdhashree Nayak, Krushnachandra Panigrahy, Debasisha Mishra, Nachiketa Mishra,
Applications of Mathematics, 70 (2025) 563-594. (SCIE, SCOPUS)
DOI: <https://doi.org/10.21136/AM.2025.0022-25> (MCQ: & IF:)
 5. *Computation of M-QDR decomposition of tensors and applications*
Krushnachandra Panigrahy, Biswarup Karmakar, Jajati Keshari Sahoo, Ratikanta Behera
and Ram N. Mohapatra,
Journal of Applied Mathematics and Computing, 71 (2025) 437-462. (SCIE, SCOPUS)
DOI: <https://doi.org/10.1007/s12190-025-02487-z>. (MCQ: 0.67 & IF: 2.4)
- 2023
6. *A note on numerical ranges of tensors*
Nirmal Chandra Rout, Krushnachandra Panigrahy, Debasisha Mishra
Linear and Multilinear Algebra, 71 (2023) 2645-2669. (SCIE, SCOPUS)
DOI: <https://doi.org/10.1080/03081087.2022.2117771> (MCQ: 0.88 & IF: 1.1)
 7. *A note on a faster fixed point iterative method*
Krushnachandra Panigrahy, Debasisha Mishra
The Journal of Analysis, 31 (2023) 831-854. (SCOPUS, ESCI)
DOI: <https://doi.org/10.1007/s41478-022-00485-z> (MCQ: 0.17 & IF: 0.8)
- 2022
8. *On C-tensor and its application to eigenvalue localization*
Krushnachandra Panigrahy, Debasisha Mishra, Juan Manuel Peña
Linear and Multilinear Algebra, 70 (2022) 6279-6296. (SCIE, SCOPUS)
DOI: <https://doi.org/10.1080/03081087.2021.1952153> (MCQ: 0.88 & IF: 1.1)
 9. *Extension of Moore-Penrose inverse of tensor via Einstein product*
Krushnachandra Panigrahy, Debasisha Mishra
Linear and Multilinear Algebra, 70 (2022) 750-773. (SCIE, SCOPUS)
DOI: <https://doi.org/10.1080/03081087.2020.1748848> (MCQ: 0.88 & IF: 1.1)

- 2020
10. *On reverse-order law of tensors and its application to additive results on Moore-Penrose inverse*
Krushnachandra Panigrahy, Debasisha Mishra
Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales. Serie A. Matemáticas. 114 (2020) Article number: 184. (SCIE, SCOPUS)
DOI: <https://doi.org/10.1007/s13398-020-00916-1> (MCQ: 0.95 & IF: 2.9)
 11. *Reverse-order law for weighted Moore-Penrose inverse of tensors*
Krushnachandra Panigrahy, Debasisha Mishra
Advances in Operator Theory, 5 (2020) 39-63. (SCOPUS, ESCI)
DOI: <https://doi.org/10.1007/s43036-019-00005-0> (MCQ: 0.49 & IF: 0.8)
 12. *Reverse-order law for the Moore-Penrose inverses of tensors*
Krushnachandra Panigrahy, Ratikanta Behera, Debasisha Mishra
Linear and Multilinear Algebra, 68 (2020) 246-264. (SCIE, SCOPUS)
DOI: <https://doi.org/10.1080/03081087.2018.1502252> (MCQ: 0.88 & IF: 1.1)

RESEARCH PREPRINTS

1. *Decomposition of Third-Order Symbolic Tensors for Outer Inverse Computation, with Biswarup Karmakar. (communicated)*

IN PROGRESS

1. Provisional title: Spectral properties of the products of hypergraphs (with Sourabha Kumar Sahu, Dinabandhu Pradhan, Ratikanta Behera)
2. Provisional title: Semi-tensor product of Einstein product and its application (with Predrag Stanimirovic, Ratikanta Behera)