

List of Publications

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PUBLISHED

- 2025 8. *Computation of M-QDR decomposition of tensors and applications*
Krushnachandra Panigrahy, Biswarup Karmakar, Ratikanta Behera, Jajati Keshari Sahoo and Ram N. Mohapatra,
Journal of Applied Mathematics and Computing (in press). (SCIE, SCOPUS)
(MCQ: 0.67 & IF: 2.4)
- 2023 7. *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: 10.1080/03081087.2022.2117771 (MCQ: 0.88 & IF: 1.1)
6. *A note on a faster fixed point iterative method*
Krushnachandra Panigrahy, Debasisha Mishra
The Journal of Analysis, 31 (2023) 831-854. (SCOPUS, ESCI)
DOI: 10.1007/s41478-022-00485-z (MCQ: 0.17 & IF: 0.8)
- 2022 5. *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: 10.1080/03081087.2021.1952153 (MCQ: 0.88 & IF: 1.1)
4. *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: 10.1080/03081087.2020.1748848 (MCQ: 0.88 & IF: 1.1)
- 2020 3. *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: 10.1007/s13398-020-00916-1 (MCQ: 0.95 & IF: 2.9)
2. *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: 10.1007/s43036-019-00005-0 (MCQ: 0.49 & IF: 0.8)
1. *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: 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**)
2. *M-QR decomposition and hyperpower iterative methods for computing outer inverses of tensors*, with **Ratikanta Behera, Jajati Keshari Sahoo and Yimin Wei**. (**communicated**)
3. *A Higher-order Power Iterative Method for Dominant Eigenvalue of Tensors*, with **Singdhashree Nayak, Debasisha Mishra and Nachiketa Mishra**. (**communicated**)

IN PROGRESS

1. Provisional title: Rapid and Powerful Tensor-based Iterative Methods and its Applications (with **Ratikanta Behera**).
2. Provisional title: Spectral properties of the products of hypergraphs (with **Sourabha Kumar Sahu, Dinabandhu Pradhan, Ratikanta Behera**)
3. Provisional title: Semi-tensor product of Einstein product and its application (with **Predrag Stanimirovic, Ratikanta Behera**)