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**)