

DMS Journal Publications [Jan 2020 - Dec 2020]

- A. Sarkar, *A. Banerjee*. **Joins of hypergraphs and their spectra.** Linear Algebra and its Applications, vol 603, pp. 101-129 (2020).
- S. Upadhyaya, *A. Banerjee*, P. K. Panigrahi. **Causal evolution of global crisis in financial networks.** Physica A, 554(C) (2020).
- S. M. Sunoj, N. U. Nair, *A. K. Nanda*, Rasin R. S. **Ageing Intensity Function for a Conditionally Specified Model**, American Journal of Mathematical and Management Sciences, vol 39(4), pp 329-344 (2020).
- *S. Mazumder*, F. Apicella, F. Muratori, *K. Das*. **Detecting Autism Spectrum Disorder Using Topological Data Analysis**, ICASSP 2020 - 2020 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), Barcelona, Spain, pp 1210-1214 (2020).
- M. K. Das, S. Tikader, *M. A. Zinna*. **P¹-gluing for local complete intersections**, Mathematische Zeitschrift, vol 294, no. 1-2, pp 667-685 (2020).
- M. K. Keshari, *M. A. Zinna*. **Projective generation of ideals in polynomial extensions**, Journal of Commutative Algebra, vol 12, no. 3, pp 333-352 (2020).
- *S. Bandyopadhyay*, B. Dacorogna, D. Strutt. **On the Equation $\square \square \square + (\square \square)^{\square} \square = \square$** . Nonlinear Analysis, vol. 196 (2020).
- *S. Basu*, P. Chakraborty. **On the cohomology ring and upper characteristic rank of Grassmannian of oriented 3-planes**. Journal of Homotopy Theory and Related Structures, vol 15, pp. 27-60 (2020).
- *S. Chowdhury*, M. Biswas, R. Dutta. **Approximate controllability of the FitzHugh-Nagumo equation in one dimension**. J. Differential Equations, vol 268, no. 7, pp. 3497-3563 (2020).
- B.K. Das, *S. Gorai*, J. Sarkar. **On quotient modules of H2(Dn): Essential normality and boundary representations**. Proc. Roy. Soc. Edinburgh Sect. A. 150, no. 3, pp. 1339-1359 (2020).
- *S. Joardar*, Arnab Mandal. **An example of explicit dependence of quantum symmetry on KMS states**, Journal of Ramanujan Mathematical Society, vol 35 (4), pp. 299-306 (2020).

- *T. S. Roy, B. Giri, A. S. Chowdhury, S. Mazumder, K. Das.* **How Our Perception and Confidence Are Altered Using Decision Cues**, Frontiers in Neuroscience, 13, 1371, (2020).
- S.M. Sunoj, N.U. Nair, Asok K. Nanda and Rasin R.S. **Ageing Intensity Function for a Conditionally Specified Model**, American Journal of Mathematical and Management Sciences, 39(4), pp. 329-344 (2020).
- P. Kundu, N. K. Hazra, *A. K. Nanda*. **Reliability Study of Series and Parallel Systems of Heterogeneous Component Lifetimes following Proportional Odds Model**, Statistics, 54(2), pp. 375-401 (2020).
- *R. Behera, D. Mosic, J. K. Sahoo, and P. S. Stanimirovic.* **Weighted Inner Inverse for Rectangular Matrices**. Quaestiones Mathematicae (2020).
- *R. Behera, S. Maji, R. N. Mohapatra.* **Weighted Moore-Penrose inverses of arbitrary-order tensors**. Computational and Applied Mathematics, 39(4):284 (2020).
- *R. Behera, J. K. Sahoo.* **Generalized Inverses of Boolean Tensors via Einstein Product**, Linear and Multilinear Algebra (2020).
- *J. K. Sahoo, R. Behera, P. S. Stanimirovic, V. N. Katsikis, H. Ma.* **Core and Core-EP Inverses of Tensors**. Computational and Applied Mathematics 39(9), (2020).
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- *K. Panigrahy, R. Behera, D. Mishra.* **Reverse order law for the Moore-Penrose inverses of tensors**, Linear and Multilinear Algebra, 68(2), pp. 246-264 (2020).