

Selected DMS Publications

- *A. Banerjee*. **On the spectrum of hypergraphs**. Linear Algebra and its Applications, vol. 614, pp 82-110 (2020).
- *A. Sarkar, A. Banerjee*. **Joins of hypergraphs and their spectra**. Linear Algebra and its Applications, 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).
- *A. Chakraborty, V. M. Panaretos*. **Functional registration and local variations: Identifiability, rank and tuning**, Bernoulli, 27(2), pp 1103-1130 (2021).
- *A. K. Nanda, S. Chowdhury*. **Shannon's Entropy and Its Generalizations towards Statistical Inference in Last Seven Decades**, International Statistical Review (2020).
- *A. K. Nanda, S. Gayen, S. Chowdhury*. **Errors Due to Departure from Independence in Exponential Series System**, Communications in Statistics-Theory and Methods (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).
- *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, 39(4), pp 329-344 (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. Majumder, F. Apicella, F. Muratori and 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).
- *T. S. Roy, S. Mazumder, K. Das*. **Wisdom of crowds benefits perceptual decision making across difficulty levels**, Scientific Reports, Sci Rep 11, 538 (2021).
- *M. K. Das, S. Tikader, M. A. Zinna*. **P^1 -gluing for local complete intersections**. Mathematische Zeitschrift 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 12, no. 3, pp 333-352 (2020).
- *S. Bagchi*. **Fourier multipliers on the Heisenberg group revisited**. Studia Mathematica (To appear).
- *S. Bandyopadhyay*, B. Dacorogna, D Strutt. **On the Equation $A Du + (Du)^t A = G$** . Nonlinear Analysis, 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, Vo. 15, pp 27-60 (2020).
- *S. Bhattacharya*. **Finiteness of simple holomorphic eta quotients of a given level**, The Ramanujan Journal, 48, pp 423-443 (2019).
- *S. Chowdhury*, *M. Biswas*, *R. Dutta*. **Approximate controllability of the FitzHugh-Nagumo equation in one dimension**. J. Differential Equations 268, no. 7, pp 3497-3563 (2020).
- *S. Chowdhury*, *R. Dutta*, *S. Majumdar*. **Boundary Stabilizability of the linearized compressible Navier-Stokes system in one dimension by Backstepping approach**, SIAM J. Control Optim. (2020).
- *S. Biswas*, *G. Ghosh*, *G. Misra*, *S.S. Roy*. **On reducing submodules of Hilbert modules with S_n -invariant kernels**. J. Funct. Anal., 276 no. 3, pp 751–784 (2019).
- *B.K. Das*, *S. Gorai*, *J. Sarkar*. **On quotient modules of $H_2(D_n)$: 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 34 (4), pp 299-306 (2020).