List of Publications

Your Name

October 2, 2025

PUBLICATIONS

[1] (with S. D. Adhikari, M. N. Chintamani and P. Paul) Weighted sums in finite abelian groups. *Unif. Distrib. Theory* **3**(1) (2008), 105–110.

[2] (with M. N. Chintamani and P. Paul) The number of weighted n-sums. *Int. J. Mod. Math.* **5**(2) (2010), 215–222.

[3] On zero sum subsequences of restricted size. *Proc. Indian Acad. Sci. (Math. Sci.)* **120**(4) (2010), 395–402.

[4] (with S. D. Adhikari, M. N. Chintamani, Geeta) The Cauchy-Davenport theorem: various proofs and some early generalizations. *Math. Student* **79**(1-4) (2010), 109–116.

[5] (with M. N. Chintamani) Generalizations of some zero sum theorems. *Proc. Indian Acad. Sci. Math. Sci.* **122**(1) (2012), 15–21.

[6] (with M. N. Chintamani, W. D. Gao, P. Paul, R. Thangadurai) New upper bounds for the Davenport and Erdős-Ginzburg-Ziv constants. *Arch. Math. (Basel)* **98**(2) (2012), 133–142.

[7] (with C. J. Smyth) Index-Dependent divisors of coefficients of Modular Forms. *Int. J. Number Theory* **9**(7) (2013), 1841–1853.

[8] On Weighted zero sum subsequences of short length. *INTEGERS* **14**, A21 (2014), 1–8.

[9] (with S. Gun) Ramanujan, Quasi-Modular Forms and Transcendence. *Submitted.*

[10] (with S. D. Adhikari and Eshita Mazumdar) Relation between two weighted zero-sum constants. *INTEGERS* **16** (2016), 1–13.

[11] (with A. Cambraia Jr, M. P. Knapp, A. Lemos, P. H. A. Rodrigues) On prime factors of Mersenne numbers. *Palestine J. Math.* **11**(2) (2022), 449–456.

[12] (with A. Lemos, A. de Oliveira Moura, A. T. Silva) On the number of fully weighted zero-sum subsequences. *Int. J. Number Theory* **15**(5) (2019), 1051–1057.

[13] (with A. Lemos, B. K. Moriya, A. O. Moura, A. T. Silva) A Variant of Harborth Constant. *arXiv preprint* arXiv:2209.14784.

[14] (with A. Lemos, A. O. Moura, A. T. Silva) On the Number of Weighted Zero-sum Subsequences. *arXiv preprint* arXiv:2209.14779. Accepted in *Periodica Math. Hung.* (2023).

[15] (with F. E. B. Martínez, A. Lemos, S. Ribas) The main zero-sum constants over $D_{2n} \times C_2$. *arXiv preprint* arXiv:2108.00823. Accepted in *SIAM J. Discrete Math.* (2023).

[16] Signed zero sum problems for metacyclic group. *Periodica Math. Hung.* **1–16** (2024).

[17] (with C. Krüger & D. Schoop) A Performance Comparison of the Homomorphic Encryption Schemes CKKS and TFHE. Cryptology ePrint Archive, Paper 2025/1460, 2025.