CLASSIFIED PUBLICATIONS ON COVERING SYSTEMS

Collected by Zhi-Wei Sun

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0. SURVEYS OF PROBLEMS AND RESULTS


1. ON DISJOINT SYSTEMS AND DISJOINT COVERING SYSTEMS


2. Equalities Related to Covering Equivalence


3. On General Covers and Covers with Distinct Moduli


4. On m-Covers and their Connections with Unit Fractions


[Su97] Z. W. Sun, Exact m-covers and the linear form \( \sum_{s=1}^{k} x_s/n_s \), Acta Arith. 81 (1997), 175–198. 98h:11019; Zbl. M. 871.11011.


[Su03b] Z. W. Sun, On the function \( w(x) = |\{1 \leq s \leq k: x \equiv a_s \pmod{n_s}\}| \), Combinatorica 23 (2003), 681–691.


[Su05d] Z. W. Sun, A connection between covers of \( \mathbb{Z} \) and unit fractions, submitted, arXiv:math.NT/0411305.
5. Inequalities of Mycielski’s Type and Covers of Groups


6. The Berger-Felzenbaum-Fraenkel Approach


7. On Covers by Beatty Sequences and Infinite Covers of $\mathbb{Z}$


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8. Applications of Covers of \( \mathbb{Z} \)


[CS75] F. Cohen and J.L. Selfridge, Not every number is the sum or difference of two prime powers, Math. Comput. 29 (1975), 79–81.


[Ja83] G. Jaeschke, On the smallest \( k \) such that all \( k \cdot 2^n + 1 \) are composite, Math. Comp. 40 (1983), 381–384. MR 84k:10006.


