

Zbl 213.05802

Erdős, Paul; Rogers, C.A.

Covering space with convex bodies (In English)

Acta Arith. 7, 281-285 (1962). [0065-1036]

Let K be a convex body in n -dimensional Euclidean space. The authors show that there is a covering of the whole space by translates of K with density less than $n \cdot \log n + n \cdot \log \log n + 4n$ such that no point is covered more than $e(n \cdot \log n + n \cdot \log \log n + 4n)$ times.

H. Wegmann

Classification:

11H31 Lattice packing and covering (number-theoretic results)

11H06 Lattices and convex bodies (number theoretic results)

52C17 Packing and covering in n dimensions (discrete geometry)