

Zbl 298.52010

Erdős, Paul; Newman, D.J.

Exhausting an area with discs. (In English)

Proc. Am. Math. Soc. 45, 305-308 (1974). [0002-9939]

Let $R(n)$ be the minimum of the areas one must leave behind when removing n disjoint discs interior to the unit square. The authors prove: $c_1 n^{-1/3} \geq R(n) \geq c_2 n^{-1}$, c_1, c_2 are positive constants.

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Classification:

52A40 Geometric inequalities, etc. (convex geometry)