

**Zbl 324.05018**

**Erdős, Paul; Graham, Ronald L.**

*On packing squares with equal squares.* (In English)

**J. Comb. Theory, Ser. A 19, 119-123 (1975).**

Let  $\alpha$  be a positive real number. Let  $N(\alpha)$  denote the maximum number of nonoverlapping open unit squares that can be packed into a square of side  $\alpha$ . By a clever construction it is shown that  $\alpha^2 - N(\alpha) = o(\alpha^{7/11})$ . The authors raise a number of related questions.

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Classification:

05B40 Packing and covering (combinatorics)

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