

Steve Butler, Paul Horn, and Eric Tressler
Intersecting Domino Tilings,
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Abstract

In this note we consider an Erdős-Ko-Rado analog of tilings. Namely, given two tilings of a common region we say that they intersect if they have at least one tile in the same location. We show that for a domino tiling of the $2 \times n$ strip that the largest collection of tilings which pairwise intersect are counted by the Fibonacci numbers. We also solve the problem for tilings of the $3 \times (2n)$ strip using dominoes.