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A Note on Perfect Tilings of Rectangles with Rectangles,
Fibonacci Quart. **51** (2013), no. 4, 348–350.

Abstract

It is shown that, for every $n \in \{3, 4, \dots\}$, every rectangle R can be dissected into n rectangles that are mutually similar, but of different size. For the case $n = 2$, a partition of that kind exists if and only if the quotient of the edge lengths of R is larger than 2.