

1139-05-359

**Richard Kenyon\*** ([rkenyon@math.brown.edu](mailto:rkenyon@math.brown.edu)) and **Aaron Abrams**. *Rectangulations with rational-area rectangles.*

We study tilings of polygons with rectangles of rational area. We give number theoretic necessary conditions for tileability, and study the space of deformations changing areas. (Received February 16, 2018)