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Alex Clark, Karin Erdmann and Sibylle Schroll* (schroll@maths.ox.ac.uk), Mathematical Institute, 24-29 St Giles, Oxford, OX1 3LB, England. *The Rauzy tiling and associated algebras.*

The Rauzy substitution rule generates a tiling of the plane by rhombi. To each step of the tiling a finite dimensional algebra can be associated. In this talk we will present and illustrate with many pictures the construction of these algebras and what can be said about their representations. (Received September 19, 2006)