

Michigan Math Club

Thursday at 4pm in the Nesbitt Room
Free Pizza and Pop

Diamonds and diagonals: frieze patterns

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Abstract for 17 November 2016

Friezes were introduced by H.S.M. Coxeter in the 1970s. They are infinite grids of numbers, in which every four neighbouring vertices arranged in a diamond satisfy the same arithmetic rule. More recently friezes have appeared in many different areas of mathematics, like combinatorics, difference equations, cluster algebras, representation theory...

In this talk we will discuss the beautiful connection between friezes and triangulations of convex polygons and some further questions.

