

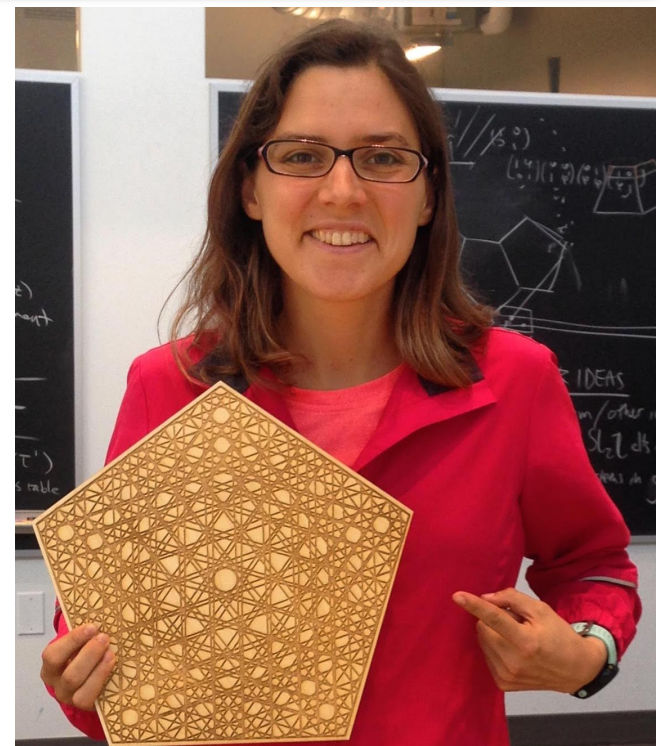
The World of Mathematics and Statistics

SWARTHMORE COLLEGE • DEPARTMENT OF MATHEMATICS AND STATISTICS • COLLOQUIUM SERIES 2018–2019

Math/Stat Colloquium

Periodic billiard paths on the regular pentagon

Imagine that you hit a ball in a pentagon-shaped billiard table, and after bouncing around for a while, the ball comes back to where it started and then repeats its path. I've been studying these periodic paths for a couple of years, and it turns out that they're very beautiful, like mathematical art. I'll show lots of pictures, and explain the math behind them, and each person will get to take home a pentagon.



Diana Davis

**Department Mathematics & Statistics
Swarthmore College**



Tuesday, September 11, 2018
SC 199, Refreshments 4:15pm, Lecture 4:30pm