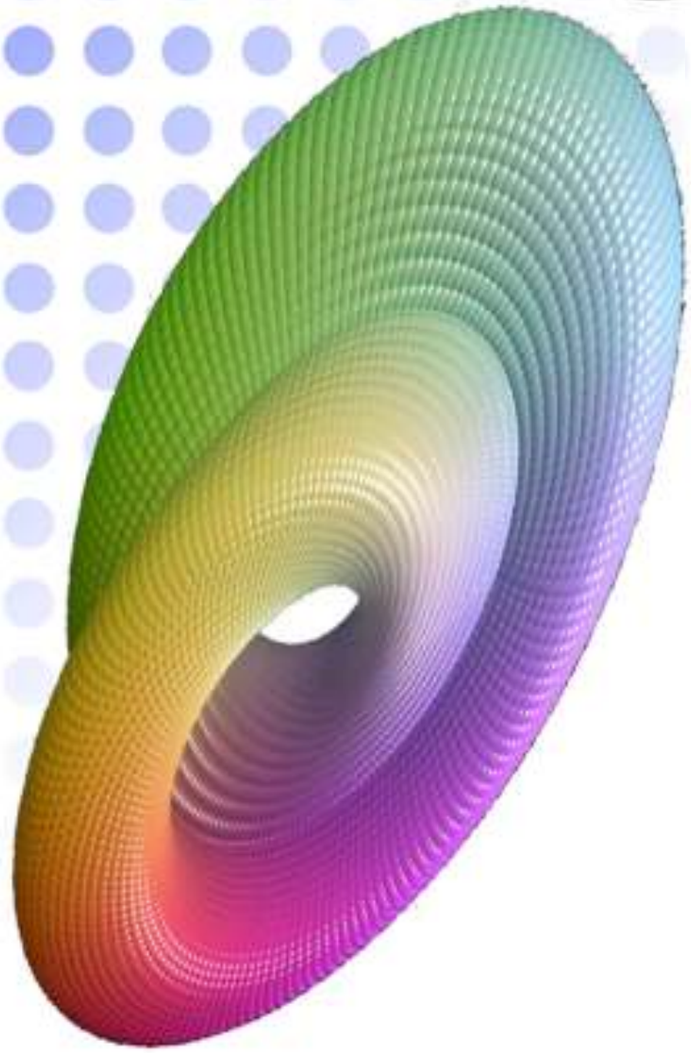
Michigan Math Club

Meeting virtually for Fall 2020
Thursdays at 4pm EST



Analyzing Penney Ante with Conway's Algorithm

Heather Armstrong
Somewhere in North America

12 November 2020

We will warm-up with a popular game of chance and test our intuition against some famous mathematicians and pigeons. Then we will move on to the game of Penney Ante, which we will analyze using some basic ideas of probability. After finding some possibly surprising results, we will use Conway's Algorithm to easily calculate the odds of winning strategies.