

Michigan Math Club



Thursday at 4pm in EH1360

Free pizza and pop afterwards!

Combinatorics of Curves on the Torus

Max Lahn • 10 March 2022



How many simple curves can be drawn on a torus so that any pair of them intersect some specified number of times? We will introduce these kinds of combinatorial questions and reframe them graph-theoretically. We'll explore some known cases in an interactive activity, and then point to what is known and what is conjectured for surfaces with more holes.



No prior knowledge of surface topology or graph theory is required, but curiosity and an appreciation of balloons are recommended and encouraged.

