The SUMO Speaker Series for Undergraduates

(food from Pizza Chicago)
Wednesday, March 10
4:40-5:30, room 380C

Hyperbolic Space
Professor Joan Licata

Abstract: When the Euclidean distance function is replaced by the hyperbolic metric, the geometry of the plane changes in some surprising ways. Triangles' angles sum to less than pi and the shortest path between two points isn't always a straight line. We'll start by comparing Euclidean and hyperbolic planar geometry, and then we'll describe an alternative definition that extends the notion of hyperbolicity to more general settings.