

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 π 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.

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