

Stony Brook Math Club Guest Lecture: Geometry and Topology of Fair Division

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Date: Wednesday, May 1, 2019

Time: 1PM - 2:30PM

Location: Physics Building P-117

How do you fairly divide rent among roommates, a necklace among thieves, or a pizza between friends? Such questions of fair division can often be understood with the tools of geometry and topology—even for those problems that are not geometric to begin with. We will discuss how to do this, and why topology is useful for problems that appear to be unrelated to topology. No prior knowledge of topology is needed.