

Allegheny Mountain



Colloquium

Carnegie
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University

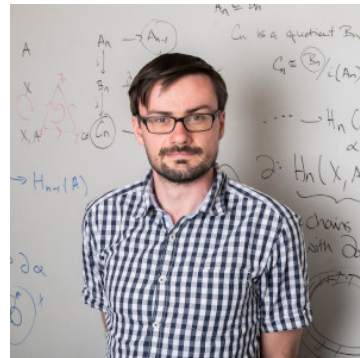
Speaker: Dr. Florian Frick
(Carnegie Mellon University)

Date: 12 September 2022, 4PM–5PM

Zoom link: <https://bit.ly/3QRj4yJ>

Title: Geometry of fair division

Abstract:



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. In particular, we will explore a relation between fairly splitting a necklace and inscribing shapes into curves. No prior knowledge of topology is needed.

