



Department of Mathematics
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Room 220, Lady Shaw Building, The Chinese University of Hong Kong, Shatin, N.T., Hong Kong

SIAM Student Chapter Seminar Series

Hyperbolic Planes in Confinement

Mr. Yongquan Zhang
Harvard University

Abstract: From billiard trajectories to geodesics on Riemann surfaces, we are often interested in what happens when a “line” is confined to a bounded space. We can ask similar questions for planes, and investigate what happens for planes in confinement. For this talk, we restrict our attention to hyperbolic planes in hyperbolic threefold. I will discuss some well-established results in the case of finite volume hyperbolic threefold, and then introduce some of the newest results in the case of infinite volume. If we have time, I will also talk about some possible directions to move forward.

Date: June 20, 2018 (Wednesday)
Venue: Room 219, Lady Shaw Building,
The Chinese University of Hong Kong, Shatin
Time: 3:00pm – 4:00pm

All are Welcome