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Seminar

Inscribing rhombi in Jordan curves

Mr. Tsz Hin Antony FUNG
Boston College

Abstract

Closely related to the famous inscribed square problem, three years ago I proved that every Jordan curve on the Euclidean plane inscribes uncountably many rhombi. This is a result in the continuous category, which means that no "nice" conditions are assumed on the Jordan curve. The key idea of the proof is to define and study a new point set topology concept called "pseudopath". In this talk I will go through the proof, which mostly relies on elementary tools. Anyone with undergrad level knowledge on point set topology and epsilon deltas should be able to understand the majority of the talk.

Date:	20 June 2023 (Tuesday)
Time:	11:00am – 12:30pm (Hong Kong Time)
Venue:	Room 222, LSB

All are Welcome