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Joint Geometric Analysis Seminar

(Part of MIST program)

A free boundary minimal surface via a 6-sweepout

Mr. Adrian Chun-Pong Chu
University of Chicago

Abstract

We will establish the following Morse theoretic result. We study the topology of the space of surfaces with genus 0 or 1 in the Euclidean unit 3-ball, and then find a free boundary minimal surface with genus, Morse index, and area control via min-max theory.

Date: October 7, 2022 (Friday)
Time: 11:00am – 12:00pm (Hong Kong time)
ZOOM link: <https://cuhk.zoom.us/j/91805734715>

All are Welcome