

THE UNIVERSITY



OF HONG KONG

*Institute of Mathematical Research
Department of Mathematics#*

GEOMETRY SEMINAR

Contact loci of arcs

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Date: August 5, 2024 (Monday)

Time: 4:00 – 5:00pm

Venue: Rm 210, Run Run Shaw Bldg., HKU

Abstract

Contact loci are sets of arcs on a variety with prescribed contact order along a fixed subvariety. They appear in motivic integration, where motivic zeta functions are generating series for classes of contact loci in appropriate Grothendieck groups. We give an overview of recent results relating the basic topology of contact loci of hypersurfaces with a Floer theory and with log minimal models.

All are welcome