



*Institute of Mathematical Research
Department of Mathematics*

GEOMETRY SEMINAR

Log canonical threshold in positive characteristic

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Date: April 8, 2014 (Tuesday)

Time: 4:00 – 5:00pm

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

Abstract

For a smooth variety X in characteristic 0, Ein, Lazarsfeld and Mustata showed that there is a correspondence between irreducible closed cylinders and divisorial valuations on X . Via this correspondence, one can relate the codimension of a cylinder to the log discrepancy of the corresponding divisorial valuation. In this talk, I will explain how to extend this result to positive characteristic.

All are welcome