

Exponential decay of intersection volume and applications

Wednesday, 22 December 2021 10:00 (50 minutes)

When two balls in a metric space has small intersection? We give some natural conditions to guarantee an exponential decay on the volume of such intersections. Our proof is conceptually simple, making use of concentration of measure on a “slice”. We will discuss a couple of applications of this volume estimate in coding theory. This is joint work with Jaehoon Kim and Tuan Tran.

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Session Classification: Session