THE HONG KONG UNIVERSITY OF SCIENCE & TECHNOLOGY

Department of Mathematics

MATHEMATICS COLLOQUIUM

Pairwise intersecting convex sets and cylinders in R^3

By

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Abstract

We prove that given a finite collection of cylinders in R^3 with the property that any two of them intersect, there is a line intersecting an alpha-fraction of the cylinders where alpha=1/14. This is a special case of a recent and interesting conjecture.

Date : **26 September 2025 (Friday)**
Time : **3:00p.m.-4:00p.m.**
Venue : **Lecture Theatre F (near Lift 25/26)**

All are Welcome!