Colloquium

Kakeya sets in R^3

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Host: Laszlo Erdös & Uli Wagner

A Kakeya set is a compact subset of R^n that contains a unit line segment pointing in every direction. Kakeya set conjecture asserts that every Kakeya set has Minkowski and Hausdorff dimension n. We prove this conjecture in R^3 as a consequence of a more general statement about union of tubes.This is joint work with Josh Zahl.

Wednesday, May 6, 2026 03:30pm - 04:30pm
Raiffeisen Lecture Hall, Central Building

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