



Speaker: Daniel Erman
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Wednesday, December 2, 2015
3:00 PM
258 Hurley Hall

Title: Kakeya problems over finite fields

Abstract:

The Kakeya Needle Problem has its origins in harmonic analysis, but it has led to a number of interesting related questions about algebra and geometry over finite fields. I will first give background on this famous problem. Then I will talk about recent work of myself and Jordan Ellenberg which uses degeneration techniques to make progress on some of the related algebraic questions.