

Secret Student Seminar

Experimental Algebra & Geometry Lab

The Ham Sandwich Theorem

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Abstract

In this talk, we will prove the Ham Sandwich Theorem. It states that given n -many measurable subsets of \mathbf{R}^n , there is a hyperplane that divides all of them in half with respect to their measure. Tools from algebraic topology including homotopy theory, fundamental groups and the Borsuk-Ulem Theorem will be used. If time permits, we will discuss corollaries and related examples.

Date: Friday, February 21, 2014

Time: 2:00pm–3:00pm

Place: MAGC 1.302

Pizza and soda will be served at the presentation.

For further information or for special accommodations, please contact Dr. Sean Lawton via email at lawtonsd@utpa.edu or drop by the EAGL Lab at MAGC 2.326.