

THE OLIVER CLUB

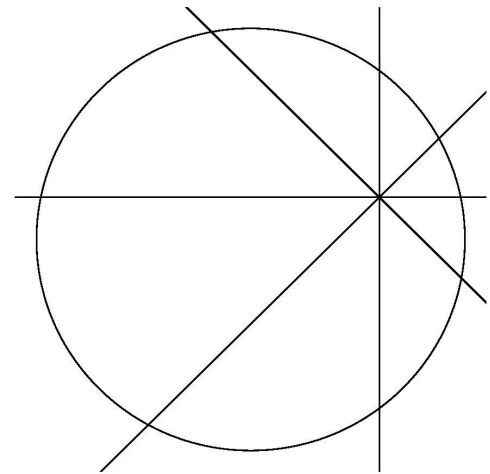
www.math.cornell.edu/~oliver

Richard Ehrenborg, University of Kentucky

Pizza and 2-Structures

The classical Pizza Theorem states that you can divide a disc (pizza) fairly between two people by cutting it with four equidistributed lines through an arbitrary point in the disc and then alternate the slices.

The higher dimensional Pizza Theorem is an extension to a large class of Coxeter arrangements. We will outline a dissection proof of this result. The main ingredient of the proof is the notion of 2-structures, a class of subarrangements introduced by Herb to study discrete series characters of real reduced groups. As a consequence the higher dimensional Pizza Theorem continues to hold when replacing volume with the intrinsic volumes.



This is joint work with Sophie Morel and Margaret Readdy.

Thursday, October 26, 2023 at 4:00 PM
Math Department Lounge (532 Malott)

Refreshments will be served at 3:30 PM in the department lounge.