



Speaker: Matthew Dyer
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Tuesday, October 13, 2015

10:00 AM

258 Hurley Hall

Title: Infinitely long elements of Coxeter groups II

Abstract:

We will motivate from the point of view of elementary combinatorics of Coxeter groups some basic conjectures on biclosed subsets of positive roots. In appropriate generalizations of standard terminology, regarding the biclosed sets as infinitely long elements of a completion of the Coxeter group, crude forms of these conjectures state that every such element has a reduced expression, that reduced expressions of the same element differ by repeated braid operations and the set of all elements of the completion is a complete lattice.