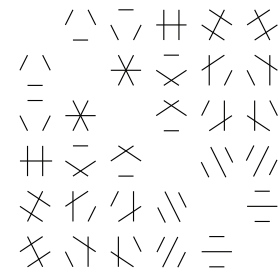


# Mathematics Seminar



## Rocky Mountain Algebraic Combinatorics Seminar

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### Symmetry and optimality in discrete geometry

Dustin Mixon  
The Ohio State University

In discrete geometry, we frequently seek a configuration of geometric objects that optimize some feature, and strikingly, the optimizers often exhibit some level of symmetry. In this talk, we discuss two of the better-understood instances of this phenomenon. First, we consider Erdős' distinct distances problem, where optimality necessitates some notion of partial symmetry. Later, we consider the problem of optimal projective codes, where conversely, a high degree of symmetry implies optimality.

Online via Zoom

<https://zoom.us/j/987650880?pwd=WH1XOE5RS1B1Wk11a2Zza2FqVTZKUT09>

4 pm, Friday, May 8, 2020

Get together online starting at 3:30 pm

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This is a joint Denver U / UC Boulder / UC Denver / U of Wyoming / CSU seminar that meets biweekly.  
Anyone interested is welcome to join us at a local restaurant for dinner after the talks.



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