

# Mathematical Sciences

Fall 2020

## Colloquium Series

**Dr. John Harding**

New Mexico State University

Friday November 6, 2020

3pm

Blackboard Collaborate

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## Free Completely Distributive Lattices

### Abstract

Completely distributive lattices, and in particular Raney lattices, can be thought of as a version of power sets without complements. They have played a prominent role in lattice theory and logic for many decades. Here we make several simple observations about free completely distributive lattices and point to how these observations could have led to an alternate development of several important results.

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