

1078-05-305

**Benjamin Braun, Jonathan Browder\*** ([browder@math.washington.edu](mailto:browder@math.washington.edu)) and **Steven Klee**.

*Cointerval simplicial complexes and cellular resolutions.*

In a recent paper, Dochtermann and Engstrom constructed cellular resolutions for hyper-edge ideals of cointerval hypergraphs using a homomorphism complex construction. In this talk I will introduce cointerval simplicial complexes, which generalize cointerval hypergraphs, and discuss how they can be used to obtain cellular resolutions for a new class of ideals, again using a homomorphism complex construction. (Received December 12, 2011)