

Massey products in toric topology

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Massey products are higher cohomology operations that are often important to the study of formality of spaces, among many other applications. Moment-angle complexes, one of the main notable objects of study in toric topology, have a natural underlying combinatorial structure and it is this structure that allows us to study combinatorial obstructions to Massey products in the cohomology of the moment-angle complex. This talk will present frameworks of combinatorial operations on simplicial complexes that create non-trivial Massey products on classes of any given degree.