

1081-13-143

Timothy B.P. Clark and **Sonja Mapes*** (smapes1@nd.edu), Mathematics Department,
University of Notre Dame, Notre Dame, IN 46556. *Minimal free resolutions of rigid monomial
ideals.*

In this talk I will define a class of monomial ideals called “rigid” monomial ideals and discuss in what sense they are a generalization of generic monomial ideals. I will also give a description of how to construct the minimal resolution of a certain class of rigid monomial ideals using poset resolutions and I will discuss how our results should generalize to all rigid monomial ideals. (Received February 08, 2012)