



Speaker: Claudia Polini
University of Notre Dame

Wednesday, April 9, 2014
3:00 PM
258 Hurley Hall

Title: Socles and Integrality, Part II

Abstract:

The concepts of integral extensions, integral closures of rings, and integral dependence of ideals and modules are of central importance in commutative algebra. They play a crucial role in algebraic geometry, intersection theory, and the theory of multiplicities. In a series of papers with Corso, Huneke, Ulrich we compute part of the integral closure of an ideal and relate it to iterated socles (socles of socles) for which we give explicit formulas.