

1099-13-373

Sara L Malec* (smalec@pacific.edu), University of the Pacific, Department of Mathematics,
3601 Pacific Avenue, Stockton, CA 95211. *On the Intersection Algebra of Ideals.*

Given two ideals in a Noetherian ring, the intersection algebra is an object that captures some information on the relationships between those two ideals. In this talk, we use a connection to semigroup rings to describe many properties of the intersection algebra of ideals in a UFD, including an algorithm that produces its generating set. (Received February 11, 2014)