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**Sara L Malec\*** (malec@hood.edu), 401 Rosemont Ave, Frederick, MD 21701. *Intersection Algebras, Semigroups from Continued Fractions, and Other Observations*. Preliminary report.

Given two ideals in a Noetherian ring  $R$ , the intersection algebra is an object that captures some information on the relationships between those two ideals. This talk discusses a connection between these algebras and classes of semigroups coming from particular continued fraction decompositions, and explores other interesting properties. (Received January 27, 2020)