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*Zero Divisor Graphs of Finite Chain Rings*

A finite chain ring is a finite commutative ring such that for each ideals  $I$  and  $J$ , we have  $I \subseteq J$  or  $J \subseteq I$ . In this talk, we first discuss zero divisor graphs over finite chain rings. We determine their rank, determinant and eigenvalues by using reduction graphs. Moreover, we extend the work to zero divisor graphs over finite quotient rings of unique factorization domains by using a combinatorial method and we find upper and lower bounds for the largest eigenvalue.