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**Janina C. Letz\*** ([letz@math.utah.edu](mailto:letz@math.utah.edu)). *Local to global principles for generation time over commutative rings.*

In the derived category of modules over a commutative noetherian ring a complex  $G$  is said to generate a complex  $X$  if the latter can be obtained from the former by taking finitely many summands and cones. The number of cones needed in this process is the generation time of  $X$ . In this talk I will present some local to global type results for computing this invariant, and also discuss some applications of these results. (Received September 11, 2019)