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Aimee S.A. Johnson* (aimee@swarthmore.edu), Department of Mathematics and Statistics, Swarthmore College, Swarthmore, PA 19081, and **David M. McClendon**, Ferris State University, Big Rapids, MI 49307. *Speedups of \mathbb{Z}^d -actions.*

Speedups were introduced in 1985 by Arnoux, Ornstein, and Weiss when they showed that given any two aperiodic measure-preserving transformations, one could "speed up" one to be isomorphic to the other. More recently, Babichev, Burton, and Fieldsteel gave a relative version of this result which considers ergodic group extensions. In this talk we consider what a speedup means when considering d commuting transformations and discuss results for \mathbb{Z}^d -actions. (Received July 31, 2013)