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Xiaojie Hou* (houx@uncw.edu), Department of Mathematics and Statistics, University of North Carolina Wilmington, Wilmington, NC 28403. *On the Minimal Wave Speed for a Lotka Volterra System.*

Abstract. Under mild conditions we derive the minimal speed for the wave solutions of a Lotka Volterra competition system. Also we investigate the uniqueness, asymptotics of the wave solutions by using the sliding domain method and exponential dichotomy. (Received September 08, 2010)