

1116-39-585

Vlajko L Kocic* (vkocic@xula.edu), Mathematics Department, Xavier University of Louisiana, 1 Drexel Dr., New Orleans, LA 70125, **Raegan J Higgins** (raegan.higgins@ttu.edu), Department of Mathematics and Statistics, Texas Tech University, Lubbock, TX 79409, **Candace M Kent** (cmkent@vcu.edu), Department of Mathematics, Virginia Commonwealth University, Richmond, VA 23284, and **Yevgeniy Kostrov** (ykostrov@xula.edu), Mathematics Department, Xavier University of Louisiana, 1 Drexel Dr., New Orleans, LA 70125. *Dynamics of nonlinear discrete discontinuous population model.*

In this paper we study the dynamics of a class of nonlinear discrete population models exhibiting Allee-type effects. In particular we focus on oscillations, structure of semicycles, periodicity, and attractivity are addressed. (Received September 08, 2015)