

1163-39-616

Vlajko L Kocic* (vkocic@xula.edu), Xavier University of Louisiana, Department of Mathematics, 1 Drexel Dr., New Orleans, LA 70125-1056. *The dynamics of Williamson's discrete population model*. Preliminary report.

In this paper we present the results related to the study of oscillations, structure of semicycles, periodicity, and attractivity in discrete discontinuous Williamson's population model. The connections to discrete West Nile epidemics model were also established. (Received September 10, 2020)