1046-39-212 **Youssef Naim Raffoul*** (`youssef.raffoul@notes.udayton.edu`), University of Dayton, Department of Mathematics, 300 College park, Dayton, OH 45469-2316. *Population Models With Asymptotically Constant Or Periodic Solutions.* Preliminary report.

Given an initial function we show by means of fixed point theory that the unique solution of nonlinear difference equations of the form

$$\triangle x(t) = g(x(t)) - g(x(t - L))$$

converges to a pre-determined constant or to a periodic solution. Then, we show the solution is stable and that its limit function serves as a global attractor. (Received August 19, 2008)