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**Jia Li\*** ([li@math.uah.edu](mailto:li@math.uah.edu)), Department of Mathematical Sciences, University of Alabama in Huntsville, Huntsville, AL 35899. *Periodic solutions of generalized nonautonomous logistic equations*. Preliminary report.

In this talk, we consider generalized nonautonomous logistic equations of the form  $x_{n+1} = x_n(r_n - f(x_n))$ , where  $\{r_n\}$  is a periodic sequence of positive numbers and  $0 < x_0 < f^{-1}(r_0)$ . We discuss existence, uniqueness, and stability of the periodic solutions of these equations. In particular, we investigate dynamic behavior of the periodic solutions of the nonautonomous logistic equation  $x_{n+1} = x_n(r_n - x_n)$ . (Received September 26, 2005)