

1056-39-1491 **Nikolai Kosmatov*** (nxkosmatov@ualr.edu), University of Arkansas at Little Rock, 2801 S. University Ave., Little Rock, AR 72204. *A predator-prey system on a time scale*. Preliminary report.

We consider a predator-prey system on a time scale with impulsive effects and the Beddington-DeAngelis functional response and stage structure. We obtain solvability conditions using the coincidence degree theory. (Received September 22, 2009)