



Title: Generalized Periodicity

Abstract:

Starting with the Beverton-Holt difference equation and with the famous Cushing-Henson conjectures for a periodic environment, we begin our journey in the discrete case, continue to the time scales case, and with a detour to the quantum case, we arrive at the isolated time scales case, then return to the continuous case and end up with a generalization of the classical concept of periodic functions.