Saber N Elaydi* (selaydi@trinity.edu), One Trinity Place, Trinity University, Department of Mathematics, San Antonio, TX 78212. Attractors in nonautonomous systems and Applications to population models. Preliminary report.

In this talk we develop general results concerning attractors and their topological structure in nonautonomous difference equations. Applications to population models such as the periodically and almost periodically-forced Beverton-Holt equations will be given. Several open problems and conjectures will be discussed at the end of the talk (Received September 26, 2006)