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Justin Wright* (jwright3@ncsu.edu). *Periodic Dynamical Systems of Population Models and Enveloping Functions*. Preliminary report.

The study of periodically forced systems of nonlinear difference equations has been of particular interest since Cushing and Henson conjectured the existence of a global attractor for a periodically forced Beverton-Holt model. Since then a tremendous amount of work has been done to provide structure to the theory of periodically forced difference equations, including conditions that guarantee global attractors for periodic dynamical systems. In this presentation I will provide conditions that guarantee the existence of global attractors for period n dynamical systems of population models using P. Cull's concept of enveloping functions. (Received September 05, 2012)