1014-39-1061**Timothy D Sauer*** (tsauer@gmu.edu), Department of Mathematics, George Mason University,
Fairfax, VA 22030. Detection of periodic driving in systems of difference equations.

We investigate methods for determining structure in an unknown system of n difference equations using time series observations from each component. In particular, we focus on ways to tell whether the system is autonomous or has a common driver, and in the latter case, to identify the dynamical characteristics of the driver. (Received September 27, 2005)