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Ying Zhou* (zhou.494@mbi.ohio-state.edu) and **Bill Fagan**. *A spatial model for populations with expanding and contracting habitats*. Preliminary report.

In this talk, I will present an integrodifference equation model for the spatiotemporal dynamics of a population living in habitats with time-dependent sizes. I will show the conditions required for the resulting integral operator to be completely continuous. Bifurcation results, as well as existence and uniqueness of solutions, will then follow. (Received September 07, 2014)