

1096-VG-2583 **Alyssa Miller** and **Haley A Yaple*** (hyaple@carthage.edu). *A new application of the two-group competition model.* Preliminary report.

A differential equation model for two-group competition has been used to describe diverse systems, including language death, the decline of religion, and ferromagnetism. A new sociological application of this model will be presented, along with the real-life data that is used to find the best-fit model. (Received September 17, 2013)