1047-35-269   **Mathew A. Johnson*** (`mjohns51@illinois.edu`) and **Jared C. Bronski**
(`jared@math.uiuc.edu`). *Stability of Periodic Traveling Wave Solutions of the Generalized Korteweg-de Vries Equation.*

In this talk, I will present recent results on the spectral and orbital stability of a four parameter family of periodic traveling wave solutions of the generalized Korteweg-de Vries equation. If time permits, I will explain how similar techniques can be applied to obtain spectral stability results for the generalized Benjamin-Bona-Mahony equation and the generalized Camassa-Holm equation. (Received January 30, 2009)