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Christopher W. Curtis* (christopher.w.curtis@colorado.edu), Dept. of Applied Mathematics, 526 UCB, University of Colorado, Boulder, CO 80309-0526. *Spectral Stability of Soliton-Like Solutions to a Boussinesq Approximation.*

In this talk, a proof of the spectral stability of soliton-like solutions of a Boussinesq approximation of the Euler water wave problem will be discussed. Some associated numerical computations of spectral instability of other types of solutions will also be presented. (Received August 31, 2009)