

Meeting: 1001, Evanston, Illinois, SS 14A, Special Session on Nonlinear Waves

1001-76-280 **Min Chen*** (chen45@purdue.edu), Department of Mathematics, Purdue University, West Lafayette, IN 47907. *Special solutions of a Boussinesq system*. Preliminary report.

In this talk, we will show the existence of standing wave solutions and the multipulsed solutions of a Boussinesq system which models gravity waves traveling in two directions. (Received August 29, 2004)