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Juraj Foldes, Nathan Glatt-Holtz and Geordie Richards* (g.richards@rochester.edu),
915 Hylan Building, University of Rochester, Rochester, NY 14627, and **Enrique Thomann.**

Ergodicity results for stochastic Boussinesq equations.

We will discuss the uniqueness and attraction properties of an ergodic invariant measure for the 2-d Boussinesq equations - used to model buoyancy driven convection - in the presence of a spatially degenerate stochastic forcing. First we will present results in the periodic domain using arguments which generalize recent progress of Hairer and Mattingly for the stochastic Navier-Stokes equations. Then, with a less degenerate forcing but more general boundary conditions, we will present a simplified proof of uniqueness. (Received January 20, 2015)