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Weiwei Hu* (weiwei.hu@usc.edu), 3620 S. Vermont Ave., KAP 244B, Los Angeles, CA 90089-2532, and **Igor Kukavica** and **Mohammed Ziane**. *Stabilization of the Boussinesq Equations with Zero Diffusivity*.

In this talk, we address the stabilization problem of the 2D Boussinesq equations with zero diffusivity on a open bounded domain. The goal is to stabilize the steady-state $(0, ky)$, for $k > 0$, by employing the internal feedback control for velocity. The control only acts on a finite number of open subsets of the domain. (Received February 24, 2015)