1108-37-153   **Yunping Jiang*** (`yunping.jiang@qc.cuny.edu`), Department of Mathematics, Queens College of CUNY, 65-30 Kissena Blvd, Flushing, NY 11367. *The Ruelle Operator Theorem for Expansive and Non-Expansive Systems.*

The Ruelle operator theorem studies the existence and the uniqueness of an equilibrium state and the decay rate of correlation for a given dynamical system. In this talk, I will give a review about my work, partly with Aihua Fan and partly with Yuan-Ling Ye on the Ruelle operator theorem for expansive and non-expansive dynamical systems and iterated function systems (Received January 08, 2015)