1093-14-147   **Qile Chen*** (`q_chen@math.columbia.edu`), Rm 628, MC 4421, 2990 Broadway, New York, NY 10027. *Logarithmic Gromov-Witten theory.*

I will introduce the theory of stable logarithmic maps, which gives a nice compactification of the space of stable maps to varieties with log smooth boundaries, or to log smooth degenerations. These include a large class of interesting cases, for example target varieties with boundaries given by normal crossings divisors, or normal crossings degenerations. One of the major purposes of this theory is to study the behavior of Gromov-Witten invariants under log smooth degenerations. (Received August 10, 2013)