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Ser-Wei Fu* (swfu@temple.edu), Rm 638 Wachman Hall, 1805 N. Broad Street, Philadelphia, PA 19122. *A logarithm law for the earthquake flow*. Preliminary report.

Earthquakes are deformations of a hyperbolic surface introduced by Thurston as generalized Dehn twists. The earthquake flow lives on the bundle of unit length measured laminations over the moduli space. Mirzakhani shown that the earthquake flow is ergodic, which motivates the study of logarithm laws for the earthquake flow. In this talk, I will describe some known logarithm laws then state a new logarithm law for the earthquake flow for the once-punctured torus. (Received January 16, 2015)