1093-18-78 **Jacob R West*** (`west@math.ucr.edu`), Department of Mathematics, University of California, Riverside, 900 University Ave., Riverside, CA 92521. *Auslander-Reiten theory in stable $(\infty, 1)$-categories.*

Auslander-Reiten theory was introduced by M. Auslander and I. Reiten in the early 1970's as a tool for understanding representations of Artin algebras (and in particular, finite dimensional algebras). Of central interest are the so-called Auslander-Reiten sequences, which are (roughly speaking) minimal non-split short exact sequences. In this talk, we introduce an analogue of Auslander-Reiten theory in stable $(\infty, 1)$-categories. (Received July 31, 2013)