1087-37-144   **Anush Tserunyan*** (`anush@math.ucla.edu`). *Weakly wandering sets and their generalizations.*
Consider a continuous action of a countable group G on a Polish space X. A subset W of X is called weakly wandering (ww) if it has infinitely many disjoint translates. We exhibit a recurrence-type condition, which prevents the existence of nonmeager ww sets when $G = \mathbb{Z}$. This, in particular, gives a negative answer to a question of Eigen-Hajian-Nadkarni asking whether compressibility implies the existence of a locally ww complete section. The latter question was also independently answered by Ben Miller. If time permits, we will also consider generalizations of ww sets and explore their connection with compressibility and finite generators for an arbitrary countable group G. (Received December 02, 2012)