1047-37-275   **Vitaly Bergelson*** (`vitaly@math.ohio-state.edu`), Department of Mathematics, The Ohio State University, Columbus, OH 43210. *Measure preserving actions of WM groups and Hindman's theorem.*

We will report on a recent joint work with H. Furstenberg which links amenable WM groups (that is, groups not admitting non-trivial finitely dimensional representations) with Ramsey theory. (Received January 30, 2009)