

USNA Math Department Colloquium

New Developments in Group Languages

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Date: Tuesday, 23 April 2013

Time: 1200-1250

Location: Chauvenet 110

Abstract: A group language for a group with a given finite set of generators is the collection of all words over the generators and their formal inverses which represent the identity in the group. The interplay between the logical complexity of a group language and algebraic properties of its group have attracted the interest of many researchers. We give a brief introduction and then discuss new results.