MAHMOOD SOHRABI, Carleton University, Ottawa, Canada

Elementary theory of f.g. nilpotent groups

In this talk I shall give a survey of results on elementary theory of f.g. nilpotent groups. Then my work on characterizing groups elementary equivalent to a free nilpotent group of finite rank will be discussed. I shall end the talk with a discussion of certain possible connections between elementary theory and coarse geometry of f.g. nilpotent groups.