Some Properties of Autocommutator Groups

Mohammad Reza R. Moghaddam
Faculty of Mathematical Sciences, Ferdowsi University of Mashhad,
Centre of Excellence in Analysis on Algebraic Structures, Mashhad, Iran
Presented at: Two Days Group Theory Seminar, University of Isfahan,
12-13 March 2009, Isfahan

Abstract

Let $G$ be a group, then the autocommutator subgroup of $G$ is defined to be

$$K(G) = \langle [g, \alpha] = g^{-1}g^\alpha | g \in G, \alpha \in Aut(G) \rangle,$$

which is a characteristic subgroup of $G$.

In this talk, we discuss some properties of this concept and its generalization. For more information one may refer to [1, 2, 3, 4].

References


E-mail: rezam@ferdowsi.um.ac.ir