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CENTRAL KERNEL AND CENTRAL AUTOCOMMUTATOR SUBGROUPS OF A GROUP

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Abstract

In 2015, we introduce the notion of central autocommutator subgroup of a given group G . Moreover, we study this concept and give some new results concerning the central kernel subgroup of G , which was first introduced by F. Haimo in 1955.

More precisely, the analogue of Schur's result is proved. We also construct some upper bounds for the order of central kernel and central autocommutator subgroups of G in terms of the order of central kernel quotient of G .

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