Soluble groups with extremal conditions on commutators

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Abstract

In this article we investigate the structure of soluble groups G such that $[H, K] = H \cap K$ for all proper distinct normal subgroups H and K of G. Moreover, also the class consisting of all soluble groups G such that $[H, K] = \{1\}$ for all proper distinct normal subgroups H and K of G is considered..