

Is every group-word semiconcise?

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Let w be a group-word. For a group G , let G_w denote the set of all w -values in G and $w(G)$ the verbal subgroup of G corresponding to w . The word w is said to be semiconcise if the finiteness of G_w always implies the finiteness of the subgroup $[w(G), G]$. Inspired by a conjecture of P. Hall, in this talk we deal with the question whether every word is semiconcise.

This is joint work with C. Delizia and P. Shumyatsky.

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