

Title: Sublattices of verbal subgroups

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The problem of classification of group varieties is still open. We consider four classes of verbal subgroups of a free group F of rank 2: $\{VN\text{-verbal}\} \subseteq \{P\text{-verbal}\} \subseteq \{R\text{-verbal}\} \subseteq \{M\text{-verbal}\}$. The subgroups in each class define specific properties in corresponding varieties, namely, VN -varieties have their 2-generator groups virtually nilpotent; P -varieties satisfy positive laws; R -varieties are restrained; and M -varieties contain no $\mathfrak{A}_p\mathfrak{A}$ as a subvariety. It is shown that each of these classes of verbal subgroups forms a sublattice of the lattice of subgroups in F . Three questions are posed.

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