

Commutator-equivalent algebras

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We call two algebras *commutator-equivalent* if they have the same set of congruences and the same higher commutator operations (as defined by A. Bulatov and investigated further by N. Mudrinski). We show that the number of commutator-inequivalent finite Mal'cev algebras is countable, and that in every infinite descending chain of Mal'cev clones on a finite set, all but finitely many of these clones determine the same higher commutator operation.

This is a joint work with N. MUDRINSKI (University of Novi Sad).