

Weak isomorphisms, equivalent hypersubstitutions, and Mal'tsev correspondence

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The Mal'tsev correspondence for Lie algebras allows under some conditions to pass from Lie-theoretic problems to group theoretic ones and vice versa. This correspondence can be approached in several ways. We suggest the way by using hypersubstitutions and we can transfer the Lie algebras and the Lie groups and varieties over them by weak isomorphisms.