

A Characterization of Finitely Based Abelian Mal'cev Algebras

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The Finite Basis Problem is a classical problem in universal algebra. In this talk, I will introduce the problem and necessary notions. Then I will present my recent contribution: an abelian Mal'cev variety is finitely based if and only if its ring of binary idempotent terms is finitely presented and its module of unary terms is finitely presented.