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*Jónsson's finite basis problem for finite algebras*

An algebraic structure  $\mathbf{A}$  in a finite signature is *finitely based* if the universally satisfied equations true in  $\mathbf{A}$  are logical consequences of some finite number of them. An enduring problem in universal algebra is the ongoing attempt to prove that large swaths of the landscape of finite algebraic structures are finitely based. In this lecture I will describe the current state of this project, focussing in particular on a question (still open) of Bjarni Jónsson which has generated some beautiful positive results.