

Title: Maltsev constraints

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Abstract: Bulatov gave a polynomial-time solution to Constraint Satisfaction Problems (CSPs) with Maltsev constraints in 2002. Three years later Bulatov and Dalmau gave a much simpler algorithm which was eventually generalized to the so-called “few subpowers algorithm.” Dissatisfied, I am seeking yet another algorithm to solve Maltsev CSPs. In this lecture I will explain the reasons for my dissatisfaction and give some conjectures which, if true, may yield the desired algorithm.