

Release of Prover9

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This talk marks the release of Prover9, a new theorem prover for first-order and equational logic. Prover9 has a fully automatic mode, but difficult problems frequently require some human guidance, which will be a focus of the talk. Mace4, a program that searches for finite counterexamples, will also be covered. Example problems in nonassociative algebras will be presented, and the conference participants will be invited and encouraged to challenge Prover9 and Mace4 with new problems. At the time of the conference, Prover9 will be available from <http://www.mcs.anl.gov/~mccune/prover9/>.