Record Nr. UNISA996466349003316 6th Conference on Automated Deduction [[electronic resource]]: New **Titolo** York, USA, June 7-9, 1982 / / edited by D. W. Loveland Pubbl/distr/stampa Berlin, Heidelberg:,: Springer Berlin Heidelberg:,: Imprint: Springer, , 1982 **ISBN** 3-540-39240-8 Edizione [1st ed. 1982.] 1 online resource (VII, 389 p.) Descrizione fisica Collana Lecture Notes in Computer Science, , 0302-9743 ; ; 138 Disciplina 005.131 Soggetti Mathematical logic Mathematical Logic and Formal Languages Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Bibliographic Level Mode of Issuance: Monograph Nota di contenuto Solving open questions with an automated theorem-proving program -- STP: A mechanized logic for specification and verification -- A look at TPS -- Logic machine architecture: Kernel functions -- Logic machine architecture: Inference mechanisms -- Procedure implementation through demodulation and related tricks -- The application of Homogenization to simultaneous equations -- Metalevel inference and program verification -- An example of FOL using metatheory -- Comparison of natural deduction and locking resolution implementations -- Derived preconditions and their use in program synthesis -- Automatic construction of special purpose programs --Deciding combinations of theories -- Exponential improvement of efficient backtracking -- Exponential improvement of exhaustive backtracking: data structure and implementation -- Intuitionistic basis for non-monotonic logic -- Knowledge retrieval as limited inference --On indefinite databases and the closed world assumption -- Proof by matrix reduction as plan + validation -- Improvements of a tautologytesting algorithm -- Representing infinite sequences of resolvents in

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