

1. Record Nr.	UNISA996465607703316
Titolo	7th International Conference on Automated Deduction, Napa, California, USA, May 14-16, 1984 : proceedings // edited by R. E. Shostak
Pubbl/distr/stampa	New York : , : Springer-Verlag, , [1984] ©1984
ISBN	0-387-34768-2
Edizione	[1st ed. 1984.]
Descrizione fisica	1 online resource (VIII, 509 p.)
Collana	Lecture Notes in Computer Science ; ; Volume 170
Disciplina	004.015113
Soggetti	Automatic theorem proving Logic, Symbolic and mathematical Computer science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Universal Unification -- A Portable Environment for Research in Automated Reasoning -- A Natural Proof System Based on Rewriting Techniques -- EKL—A Mathematically Oriented Proof Checker -- A Linear Characterization of NP-Complete Problems -- A Satisfiability Tester for Non-Clausal Propositional Calculus -- A Decision Method for Linear Temporal Logic -- A Progress Report on New Decision Algorithms for Finitely Presented Abelian Groups -- Canonical Forms in Finitely Presented Algebras -- Term Rewriting Systems and Algebra -- Termination of a Set of Rules Modulo a Set of Equations -- Associative-Commutative Unification -- A Linear Time Algorithm for a Subcase of Second Order Instantiation -- A New Equational Unification Method: A Generalisation of Martelli-Montanari's Algorithm -- A Case Study of Theorem Proving by the Knuth-Bendix Method: Discovering that $x^3 = x$ Implies Ring Commutativity -- A Narrowing Procedure for Theories with Constructors -- A General Inductive Completion Algorithm and Application to Abstract Data Types -- The Next Generation of Interactive Theorem Provers -- The Linked Inference Principle, II: The User's Viewpoint -- A New Interpretation of the Resolution Principle -- Using Examples, Case Analysis, and Dependency Graphs in Theorem Proving -- Expansion Tree Proofs and Their Conversion to Natural

Deduction Proofs -- Analytic and Non-analytic Proofs -- Applications of Protected Circumscription -- Implementation Strategies for Plan-Based Deduction -- A Programming Notation for Tactical Reasoning -- The Mechanization of Existence Proofs of Recursive Predicates -- Solving Word Problems in Free Algebras Using Complexity Functions -- Solving a Problem in Relevance Logic with an Automated Theorem Prover.

Sommario/riassunto

The Seventh International Conference on Automated Deduction was held May 14-16, 1984, in Napa, California. The conference is the primary forum for reporting research in all aspects of automated deduction, including the design, implementation, and applications of theorem-proving systems, knowledge representation and retrieval, program verification, logic programming, formal specification, program synthesis, and related areas. The presented papers include 27 selected by the program committee, an invited keynote address by Jorg Siekmann, and an invited banquet address by Patrick Suppes. Contributions were presented by authors from Canada, France, Spain, the United Kingdom, the United States, and West Germany. The first conference in this series was held a decade earlier in Argonne, Illinois. Following the Argonne conference were meetings in Oberwolfach, West Germany (1976), Cambridge, Massachusetts (1977), Austin, Texas (1979), Les Arcs, France (1980), and New York, New York (1982). Program Committee P. Andrews (CMU) W.W. Bledsoe (U. Texas) past chairman L. Henschen (Northwestern) G. Huet (INRIA) D. Loveland (Duke) past chairman R. Milner (Edinburgh) R. Overbeek (Argonne) T. Pietrzykowski (Acadia) D. Plaisted (U. Illinois) V. Pratt (Stanford) R. Shostak (SRI) chairman J. Siekmann (U. Kaiserslautern) R. Waldinger (SRI) Local Arrangements R. Schwartz (SRI) iv CONTENTS Monday Morning Universal Unification (Keynote Address) Jorg H. Siekmann (FRG)

2. Record Nr.	UNISA996575263903316
Titolo	C62.31-2020 - IEEE standard for test methods and preferred values for low-voltage gas discharge tube surge-protective components - redline // IEEE
Pubbl/distr/stampa	[Place of publication not identified] : , : IEEE, , 2021
ISBN	1-5044-7454-6
Descrizione fisica	1 online resource
Disciplina	621.3137
Soggetti	Electric current rectifiers Impact
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This standard applies to low-voltage gas discharge tube (GDT) surge-protective components for application on systems with voltages less than or equal to 1000 V rms or 1500 V dc. These protective components are designed to limit voltage surges on balanced or unbalanced communication circuits and on power circuits operating from dc to 420 Hz. This standard contains a series of standard test criteria for determining the electrical characteristics and ratings of gas discharge tube surge-protective components.