

1. Record Nr.	UNINA9910143604603321
Titolo	Rewriting Techniques and Applications : 12th International Conference, RTA 2001, Utrecht, The Netherlands, May 22-24, 2001. Proceedings // edited by Aart Middeldorp
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2001
ISBN	3-540-45127-7
Edizione	[1st ed. 2001.]
Descrizione fisica	1 online resource (XII, 368 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 2051
Disciplina	005.131
Soggetti	Programming languages (Electronic computers) Mathematical logic Computer logic Artificial intelligence Computer science—Mathematics Programming Languages, Compilers, Interpreters Mathematical Logic and Formal Languages Logics and Meanings of Programs Artificial Intelligence Symbolic and Algebraic Manipulation
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 and index.
Nota di contenuto	Invited Talks -- Computing and Proving -- Rewriting for Deduction and Verification -- Regular Papers -- Universal Interaction Systems with Only Two Agents -- General Recursion on Second Order Term Algebras -- Beta Reduction Constraints -- From Higher-Order to First-Order Rewriting -- Combining Pattern E-Unification Algorithms -- Matching Power -- Dependency Pairs for Equational Rewriting -- Termination Proofs by Context-Dependent Interpretations -- Uniform Normalisation beyond Orthogonality -- Verifying Orientability of Rewrite Rules Using the Knuth-Bendix Order -- Relating Accumulative and Non-accumulative Functional Programs -- Context Unification and Traversal Equations -- Weakly Regular Relations and Applications -- On the

Parallel Complexity of Tree Automata -- Transfinite Rewriting
Semantics for Term Rewriting Systems -- Goal-Directed E-Unification
-- The Unification Problem for Confluent Right-Ground Term Rewriting
Systems -- On Termination of Higher-Order Rewriting -- Matching
with Free Function Symbols — A Simple Extension of Matching? --
Deriving Focused Calculi for Transitive Relations -- A Formalised First-
Order Con uence Proof for the λ -Calculus Using One-Sorted Variable
Names (Barendregt Was Right after all ... almost) -- A Normal Form for
Church-Rosser Language Systems -- Confluence and Termination of
Simply Typed Term Rewriting Systems -- Parallel Evaluation of
Interaction Nets with MPINE -- Stratego: A Language for Program
Transformation Based on Rewriting Strategies System Description of
Stratego 0.5.

Sommario/riassunto

This book constitutes the refereed proceedings of the 12th
International Conference on Rewriting Techniques and Applications,
RTA 2001, held in Utrecht, The Netherlands, in May 2001. The 23
revised full papers presented together with two system descriptions
were carefully reviewed and selected from 55 submissions. All current
aspects of rewriting are addressed.
