

1. Record Nr.	UNINA9910143891803321
Titolo	Static Analysis : 9th International Symposium, SAS 2002, Madrid, Spain, September 17-20, 2002. Proceedings // edited by Manuel Hermenegildo, German Puebla
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2002
ISBN	3-540-45789-5
Edizione	[1st ed. 2002.]
Descrizione fisica	1 online resource (XII, 536 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 2477
Disciplina	005.1
Soggetti	Database management Programming languages (Electronic computers) Computer logic Software engineering Mathematical logic Computer programming Database Management Programming Languages, Compilers, Interpreters Logics and Meanings of Programs Software Engineering Mathematical Logic and Formal Languages Programming Techniques
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 and index.
Nota di contenuto	Static Program Analysis via 3-Valued Logic -- Open Modeling in Multi-stakeholder Distributed Systems: Research and Tool Challenges -- An Algebraic Approach to the Static Analysis of Concurrent Software -- Polynomial Constants Are Decidable -- Normalizable Horn Clauses, Strongly Recognizable Relations, and Spi -- Nonuniform Alias Analysis of Recursive Data Structures and Arrays -- Representing and Approximating Transfer Functions in Abstract Interpretation of Heterogeneous Datatypes -- Automated Verification of Concurrent Linked Lists with Counters -- Backward Type Inference Generalises

Type Checking -- More Precise Yet Efficient Type Inference for Logic Programs -- A Few Graph-Based Relational Numerical Abstract Domains -- Static Analysis of the Numerical Stability of Loops -- On Termination of Logic Programs with Floating Point Computations -- Modular Control Flow Analysis for Libraries -- An Efficient Inclusion-Based Points-To Analysis for Strictly-Typed Languages -- Compactly Representing First-Order Structures for Static Analysis -- Possibly Not Closed Convex Polyhedra and the Parma Polyhedra Library -- Speeding Up Dataflow Analysis Using Flow-Insensitive Pointer Analysis -- Improving the Precision of Equality-Based Dataflow Analyses -- Guaranteed Optimization: Proving Nullspace Properties of Compilers -- Representation Analysis for Coercion Placement -- Pipeline Modeling for Timing Analysis -- Analysing Approximate Confinement under Uniform Attacks -- An Improved Constraint-Based System for the Verification of Security Protocols -- From Secrecy to Authenticity in Security Protocols -- Security Typings by Abstract Interpretation -- Static Confidentiality Enforcement for Distributed Programs -- Refinement of LTL Formulas for Abstract Model Checking -- Making Abstract Model Checking Strongly Preserving -- Semantics for Abstract Interpretation-Based Static Analyzes of Temporal Properties -- Checking Safety Properties of Behavioral VHDL Descriptions by Abstract Interpretation -- States vs. Traces in Model Checking by Abstract Interpretation -- Reuse of Results in Termination Analysis of Typed Logic Programs -- Finiteness Analysis in Polynomial Time -- Detecting Optimal Termination Conditions of Logic Programs.
