

《验证、模型检验与抽象解读/Verifi》

图书基本信息

书名：《验证、模型检验与抽象解读/Verification, model checking, and abstract interpretatio》

13位ISBN编号：9783540436317

10位ISBN编号：3540436316

出版时间：2002-12

出版社：湖南文艺出版社

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页数：330

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内容概要

This book constitutes the thoroughly refereed post-proceedings of the Third International Workshop on Verification, Model Checking, and Abstract Interpretation, VMCAI 2002, held in Venice, Italy in January 2002. The 22 revised full papers presented were carefully reviewed and selected from 41 submissions. The papers are organized in topical sections on security and protocols, timed systems and games, static analysis, optimization, types and verification, and temporal logics and systems.

书籍目录

Security and Protocols Combining Abstract Interpretation and Model Checking for Security Properties of Java Bytecode
Analyzing Proofs Methods for Bisimulation Based Information Flow Security A Formal Correspondence between Offensive and Defensive JavaCard Virtual Machines
Sou8a Analyzing Cryptographic Protocols in a Reactive Framework
Timed Systems and Games An Abstract Schema for Equivalence-Checking Games
Synchronous Closing of Timed SDL Systems for Model Checking Automata-Theoretic Decision of Timed Games
Static Analysis Compositional Termination Analysis of Symbolic Forward Analysis Combining Norms to Prove Termination
Static Monotonicity Analysis for h-definable Functions over Lattices A Refinement of the Escape Property
Optimizations Storage Size Reduction by In-place Mapping of Arrays Verifying BDD Algorithms through Monadic Interpretation
Improving the Encoding of LTL Model Checking into SAT Types and Verification Automatic Verification of Probabilistic Free Choice
An Experiment in Type Inference and Verification by Abstract Interpretation Weak Muller Acceptance Conditions for Tree Automata
A Fully Abstract Model for Higher-Order Mobile Ambients
Temporal Logics and Systems A Simulation Preorder for Abstraction of Reactive Systems Approximating ATL^* in ATL
Model Checking Modal Transition Systems Using Kripke Structures
Parameterized Verification of a Cache Coherence Protocol Safety and Liveness
Author Index

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