

《验证与分析的自动化技术 Auto》

图书基本信息

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内容概要

This book constitutes the refereed proceedings of the Third International Symposium on Automated Technology for Verification and Analysis, ATVA 2006, held in Beijing, China in October 2006. The 35 revised full papers presented together with abstracts of 3 keynote papers were carefully reviewed and selected from 137 submissions. The papers address theoretical methods to achieve correct software or hardware systems, including both functional and non functional aspects; as well as applications of theory in engineering methods and particular domains and handling of practical problems occurring in tools.

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书籍目录

Keynote Speeches Analysis of Recursive Probabilistic Models Verification Challenges and Opportunities in the New Era Of Microprocessor Design Automated Abstraction of Software Regular Papers Symmetry Reduction for Probabilistic Model Checking Using Generic Represent Eager Markov Chains A Probabilistic Learning Approach for Counterexample Guided Abstraction Refinement A Fine-Grained Fullness-Guided Chaining Heuristic for Symbolic Reachability Analysis Model Checking Timed Systems with Urgencies Whodunit? Causal Analysis for Counterexamples On the Membership Problem for Visibly Pushdown Languages On the Construction of Fine Automata for Safety Properties On the Succinctness of Nondeterminism Efficient Algorithms for Alternating Pushdown Systems with an Application to the Computation of Certificate Chains Compositional Reasoning for Hardware/Software Co-verification Learning-Based Symbolic Assume-Guarantee Reasoning with Automatic Decomposition On the Satisfiability of Modular Arithmetic Formulae Selective Approaches for Solving Weak Games Controller Synthesis and Ordinal Automata Effective Contraction of Timed STGs for Decomposition Based Timed Circuit Synthesis Synthesis for Probabilistic Environments Branching-Time Property Preservation Between Real-Time Systems Automatic Verification of Hybrid Systems with Large Discrete State Space Timed Unfoldings for Networks of Timed Automata Author Index

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