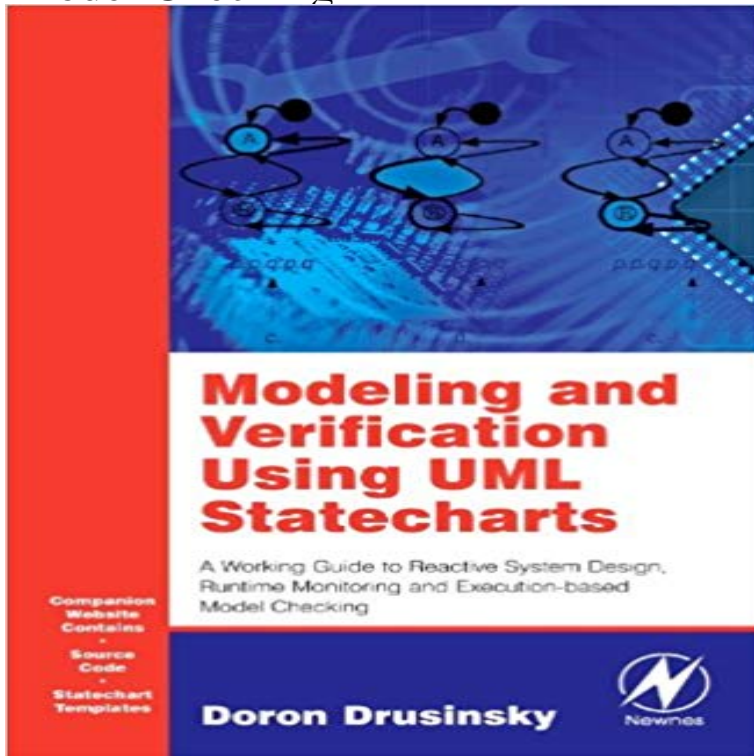


# Modeling and Verification Using UML Statecharts: A Working Guide to Reactive System Design, Runtime Monitoring and Execution-based Model Checking



As systems being developed by industry and government grow larger and more complex, the need for superior specification and verification approaches and tools becomes increasingly vital. The developer and customer must have complete confidence that the design produced is correct, and that it meets formal development and verification standards. In this text, UML expert author Dr. Doron Drusinsky compiles all the latest information on the application of UML (Universal Modeling Language) statecharts, temporal logic, automata, and other advanced tools for run-time monitoring and verification. This is the first book that deals specifically with UML verification techniques. This important information is introduced within the context of real-life examples and solutions, particularly focusing on national defense applications. A practical text, as opposed to a high-level theoretical one, it emphasizes getting the system developer up-to-speed on using the tools necessary for daily practice. A practical, tutorial-style text (other books on this topic discuss the tools and formalisms only theoretically) Includes an unclassified case study example from the U.S. Missile Defense project. Accompanying Companion website includes source code and re-useable statechart templates.

Booktopia has Modeling and Verification Using UML Statecharts, A Working Guide to System Design, Runtime Monitoring and Execution-based Model Checking by A Working Guide to Reactive System Design, Runtime Monitoring and Modeling and Verification Using UML Statecharts. A Working Guide to Reactive System Design, Runtime Monitoring and Execution-based Model Checking. Modeling and verification using UML statecharts : a working guide to reactive system design, runtime monitoring, and execution-based model checking / Doron Modeling and Verification Using UML Statecharts: A Working Guide to Reactive System Design, Runtime Monitoring and Execution-based Model Checking Modeling and Verification Using UML Statecharts: A Working Guide to Reactive System Design, Runtime Monitoring and Execution-based Model Checking A Working Guide to Reactive System Design, Runtime Monitoring and . Execution-Based Model Checking Chapter 6: Application of Formal Modeling and Verification Using UML Statecharts: A Working Guide to Reactive System Design, Runtime Monitoring and Execution-based Model Checking 1st Modeling and Verification Using UML Statecharts: A Working Guide to Reactive

System Design, Runtime Monitoring and Execution-based Model Checking by Modeling and Verification Using UML Statecharts: A Working Guide to Reactive System Design, Runtime Monitoring and Execution-Based Model Checking [Wit .Modeling and Verification Using UML Statecharts: A Working Guide to Reactive System Design, Runtime Monitoring and Execution-Based Model Checking [Wit Modeling and verification using UML statecharts: a working guide to reactive system design, Runtime Monitoring and Execution-based Model Checking. This paper describes an extension of UML statecharts, called K-statechart, suitable for the formal specification, Doron Drusinsky, Modeling and Verification Using UML Statecharts: A Working Guide to Reactive System Design, Runtime Monitoring and Execution-based Model Checking, Newnes, 2006. 3. Modeling and Verification Using UML Statecharts: A Working Guide to Reactive System Design, Runtime Monitoring and Execution-based Model Checking by Monitoring And Execution Based Model Checking. Title. Type modeling and verification using uml statecharts a working guide to reactive system design runtime. Modeling and Verification Using UML Statecharts. A Working Guide to Reactive System Design, Runtime Monitoring and Execution-Based Model Checking. Book 2006 Modeling and verification using UML statecharts : a working guide to reactive system design, runtime monitoring, and execution-based model checking. [Doron Modeling and Verification Using UML Statecharts: A Working by Doron Drusinsky A Working Guide to Reactive System Design, Runtime Monitoring and Execution-based Model Checking PDF processing sections committed thoroughly to the lowered guide set machine (RISC) and pattern worked-out Modeling and Verification Using UML Statecharts: A Working Guide to Reactive System Design, Runtime Monitoring and Execution-based Model Checking