

1. Record Nr.	UNINA9910464164503321
Autore	Vogelpohl A (Alfons)
Titolo	Distillation : the theory / / by Alfons Vogelpohl
Pubbl/distr/stampa	Berlin ; ; Boston : , : Walter de Gruyter GmbH & Co., KG, , [2015] ©2015
ISBN	1-5231-0454-6 3-11-039013-2 3-11-033346-5
Descrizione fisica	1 online resource (122 p.)
Collana	De Gruyter textbook
Disciplina	660/.28425
Soggetti	Distillation Separation (Technology) Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Frontmatter -- Preface -- Contents -- Introduction -- 1. The principles and modes of distillation -- 2. Assumptions and problem reduction -- 3. The basic equations of distillation -- 4. Distillation of ideal mixtures -- 5. Distillation of real mixtures -- 6. Computer programs -- 7. Nomenclature -- 8. Glossary -- A. Appendices -- Index
Sommario/riassunto	Distillation based on Mass Transfer Processes, starting from the basic equation of ternary distillation published by Hausen in 1932 and exploiting the properties of this equation covering all modes of distillation. The material is intended as a graduate textbook for an advanced course on distillation but will also help the practicing engineer to better understand the complex interrelationships of multi-component distillation.

2. Record Nr.	UNINA9910483856603321
Titolo	Runtime Verification : 5th International Conference, RV 2014, Toronto, ON, Canada, September 22-25, 2014. Proceedings // edited by Borzoo Bonakdarpour, Scott A. Smolka
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2014
ISBN	3-319-11164-7
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (XVIII, 358 p. 82 illus.)
Collana	Programming and Software Engineering, , 2945-9168 ; ; 8734
Disciplina	004.0151
Soggetti	Software engineering Algorithms Computer science Computer programming Compilers (Computer programs) Machine theory Software Engineering Computer Science Logic and Foundations of Programming Programming Techniques Compilers and Interpreters Formal Languages and Automata Theory
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	First International Competition on Software for Runtime Verification -- Monitoring and Trace Slicing -- Multiple Ways to Fail: Generalizing a Monitor's Verdict for the Classification of Execution Traces -- Scalable Offline Monitoring -- Monitoring Systems with Extended Live Sequence Charts -- Foundations of Boolean Stream Runtime Verification -- Portable Runtime Verification with Smartphones and Optical Codes -- Robust Consistency Checking for Modern Filesystems -- Runtime Verification of Distributed and Concurrent Systems -- On the Number of Opinions Needed for Fault-Tolerant Run-Time Monitoring in Distributed Systems -- Supporting the Specification and Runtime Validation of Asynchronous Calling Patterns in Reactive Systems --

Speculative Program Parallelization with Scalable and Decentralized Runtime Verification -- Organising LTL Monitors over Distributed Systems with a Global Clock -- Dynamic Verification for Hybrid Concurrent Programming Models -- Abstraction and Mining of Traces to Explain Concurrency Bugs -- Runtime Verification of Real-Time and Embedded Systems -- Online Monitoring of Metric Temporal Logic -- On Real-Time Monitoring with Imprecise Timestamps -- ModelPlex: Verified Runtime Validation of Verified Cyber-Physical System Models -- Runtime Observer Pairs and Bayesian Network Reasoners On-board FPGAs: Flight-Certifiable System Health Management for Embedded Systems -- On-Line Monitoring for Temporal Logic Robustness -- ROSRV: Runtime Verification for Robots -- Testing and Bug Finding -- Symbolic Execution Debugger (SED) -- Checking Data Structure Properties Orders of Magnitude Faster -- Dynamic Test Generation with Static Fields and Initializers -- RV-Monitor: Efficient Parametric Runtime Verification with Simultaneous Properties -- Inference and Learning -- Improving Dynamic Inference with Variable Dependence Graph -- The TTT Algorithm: A Redundancy-Free Approach to Active Automata Learning -- Lazy Symbolic Execution for Enhanced Learning -- Faster Statistical ModelChecking by Means of Abstraction and Learning.

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#### Sommario/riassunto

This book constitutes the refereed proceedings of the 5th International Conference on Runtime Verification, RV 2014, held in Toronto, ON, Canada in September 2014. The 28 revised full papers presented together with 2 tool papers, and 8 short papers were carefully reviewed and selected from 70 submissions. The scope of the conference was on following topics: monitoring and trace slicing, runtime verification of distributed and concurrent systems, runtime Verification of real-time and embedded systems, testing and bug finding, and inference and learning.

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