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Titolo	Recent Trends in Algebraic Development Techniques : 26th IFIP WG 1.3 International Workshop, WADT 2022, Aveiro, Portugal, June 28–30, 2022, Revised Selected Papers / / edited by Alexandre Madeira, Manuel A. Martins
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Descrizione fisica	1 online resource (186 pages)
Collana	Lecture Notes in Computer Science, , 1611-3349 ; ; 13710
Disciplina	005.1
Soggetti	Computer science Machine theory Computer programming Computer Science Logic and Foundations of Programming Formal Languages and Automata Theory Programming Techniques
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Invited Talks -- Taming Distributed System Complexity through Formal Patterns -- Why Adjunctions Matter — a Functional Programmer Perspective -- Standard Contributions -- A Computability Perspective on (Verified) Machine Learning -- A Presheaf Semantics for Quantitative Temporal Logics -- Shades of Iteration: from Elgot to Kleene -- Automated QoS-Aware Service Selection Based on Soft Constraints -- Runtime Composition Of Systems of Interacting Cyber-Physical Components -- SpeX: a rewriting-based formal specification environment.
Sommario/riassunto	This book constitutes the thoroughly refereed post-conference proceedings of the 26th International Workshop on Algebraic Development Techniques, WADT 2022, held in Aveiro, Portugal, in June 2022. The 6 revised papers presented together with 2 invited papers were carefully reviewed and selected from 25 submissions. The contributed presentations covered a range of topics about the algebraic approach to system specification, which encompasses many aspects of

the formal design of software systems. Originally born as formal method for reasoning about abstract data types, the algebraic approach now covers new specification frameworks and programming paradigms (such as object-oriented, aspect-oriented, agent-oriented, logic, and higher-order functional programming) as well as a wide range of application areas (including information systems, concurrent, distributed, and mobile systems).
