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Descrizione fisica	1 online resource (X, 272 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 1766
Disciplina	005
Soggetti	Computer logic Software engineering Data structures (Computer science) Algorithms Computer science—Mathematics Logics and Meanings of Programs Software Engineering/Programming and Operating Systems Data Structures and Information Theory Data Structures Algorithm Analysis and Problem Complexity Symbolic and Algebraic Manipulation
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 at the end of each chapters and index.
Nota di contenuto	Foundations and Methodology Comparisons -- Fundamentals of Generic Programming -- Requirement Oriented Programming -- Generative Programming and Active Libraries -- The Refinement Relation of Graph-Based Generic Programs -- The Construction Principles of the Class Library Karla -- Programming Methodology -- Exception-Safety in Generic Components -- Segmented Iterators and Hierarchical Algorithms -- Theory and Generality of Complete Traversals -- A Data Abstraction Alternative to Data Structure/Algorithm Modularization -- Language Design -- Two Ways to Bake Your Pizza — Translating Parameterised Types into Java --

SuchThat — Generic Programming Works -- Specification and Verification -- Software Development in PVS Using Generic Development Steps -- Model Checking Generic Container Implementations -- Mizar Correctness Proofs of Generic Fraction Field Arithmetic -- Language Independent Container Specification -- Applications -- Applications of the Generic Programming Paradigm in the Design of CGAL -- Generic Programming in POOMA and PETE -- The STL Model in the Geometric Domain -- Generic Graph Algorithms -- A Generic Programming Environment for High-Performance Mathematical Libraries.

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