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Disciplina	005.4/53
Soggetti	Compilers (Computer programs) Java (Computer program language)
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Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front Matter -- Strings, Languages, and Compilers -- Context-Free Grammars, Part 1 -- Context-free Grammars, Part 2 -- Context-Free Grammars, Part 3 -- Chomsky's Hierarchy (Optional) -- Top-Down Parsing -- LL(1) Grammars -- Table-Driven Stack Parser (Optional) -- Recursive-Descent Parsing -- Recursive-Descent Translation -- Assembly Language -- S1A Simple Compiler -- JavaCC (Optional) -- Building on S2 -- Compiling Control Structures -- Compiling Programs in Functional Form -- Finite Automata -- Capstone Project: Implementing Grep Using Compiler Technology -- Compiling to a Register-Oriented Architecture -- Optimization -- Interpreters -- Bottom-up Parsing -- Yacc -- Appendix A: Stack Instruction Set -- Appendix B: Register Instruction Set.
Sommario/riassunto	"Broad in scope, involving theory, the application of that theory, and programming technology, compiler construction is a moving target,

with constant advances in compiler technology taking place. Today, a renewed focus on do-it-yourself programming makes a quality textbook on compilers, that both students and instructors will enjoy using, of even more vital importance. This book covers every topic essential to learning compilers from the ground up and is accompanied by a powerful and flexible software package for evaluating projects, as well as several tutorials, well-defined projects, and test cases"--
