1. Record Nr. UNINA990000903810403321

Autore	Mezaki, Reiji
Titolo	Rate Equations of Polymerization Reactions / Reiji Mezaki, Guang-hui Ma
Pubbl/distr/stampa	Toronto : ChemTec Publishing, copyr.1997
ISBN	1-895198-16-X
Descrizione fisica	II, 329 p. : ill. ; 21 cm
Altri autori (Persone)	Ma, Guang-Hui
Locazione	DINCH
Collocazione	04 130-85
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910799220903321

Autore	Mogensen Torben Æ. <1960->
Titolo	Introduction to Compiler Design / / by Torben Ægidius Mogensen
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2024
ISBN	3-031-46460-5
Edizione	[3rd ed. 2024.]
Descrizione fisica	1 online resource (303 pages)
Collana	Undergraduate Topics in Computer Science, , 2197-1781
Disciplina	005.453
Soggetti	Compilers (Computer programs) Compilers and Interpreters
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Lexical analysis -- Syntax analysis.-Scopes and symbol tables -- Interpretation -- Type checking.-Intermediate-code generation -- Machine-code generation -- Register allocation -- Functions -- Data-

flow analysis and optimisation -- Optimisation for loops -- More language features -- Set notation and concepts -- Index.

Sommario/riassunto

The third edition of this textbook has been fully revised and adds material about the SSA form, polymorphism, garbage collection, and pattern matching. It presents techniques for making realistic compilers for simple to intermediate-complexity programming languages. The techniques presented in the book are close to those used in professional compilers, albeit in places slightly simplified for presentation purposes. "Further reading" sections point to material about the full versions of the techniques. All phases required for translating a high-level language to symbolic machine language are covered, and some techniques for optimising code are presented. Type checking and interpretation are also included. Aiming to be neutral with respect to implementation languages, algorithms are mostly presented in pseudo code rather than in any specific language, but suggestions are in many places given for how these can be realised in different language paradigms. Depending on how much of the material from the book is used, it is suitable for both undergraduate and graduate courses for introducing compiler design and implementation. .