

1. Record Nr.	UNINA9910785819303321
Titolo	Aspects of complexity [[electronic resource]] : minicourses in algorithmics, complexity and computational algebra : mathematics workshop, Kaikoura, January 7-15, 2000 / / editors Rod Downey, Denis Hirschfeldt
Pubbl/distr/stampa	Berlin ; ; New York, : Walter de Gruyter, 2001
ISBN	3-11-088917-X
Edizione	[Reprint 2010]
Descrizione fisica	1 online resource (180 p.)
Collana	De Gruyter series in logic and its applications ; ; 4
Classificazione	SD 2000
Altri autori (Persone)	DowneyR. G (Rod G.) HirschfeldtDenis Roman
Disciplina	511.3
Soggetti	Computational complexity Machine theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Front matter -- Basic complexity / Allender, Eric / McCartin, Catherine -- Three lectures on real computation / Cucker, Felipe -- Parameterized complexity: new developments and research frontiers / Fellows, Michael R. -- Kolmogorov complexity / Fortnow, Lance -- Complexity and computation in matrix groups / Niemeyer, Alice C. / Praeger, Cheryl E. -- The complexity of counting problems / Welsh, Dominic / Gale, Amy -- The conjecture / Woodin, W. Hugh -- List of contributors
Sommario/riassunto	The book contains 8 detailed expositions of the lectures given at the Kaikoura 2000 Workshop on Computability, Complexity, and Computational Algebra. Topics covered include basic models and questions of complexity theory, the Blum-Shub-Smale model of computation, probability theory applied to algorithmics (randomized algorithms), parametric complexity, Kolmogorov complexity of finite strings, computational group theory, counting problems, and canonical models of ZFC providing a solution to continuum hypothesis. The text addresses students in computer science or mathematics, and professionals i