1.	Record Nr.	UNISA996466082003316
	Titolo	Combinatorial Pattern Matching [[electronic resource]] : 4th Annual Symposium, CPM 93, Padova, Italy, June 2-4, 1993. Proceedings / / edited by Alberto Apostolico, Maxime Crochemore, Zvi Galil, Udi Manber
	Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1993
	ISBN	3-540-47732-2
	Edizione	[1st ed. 1993.]
	Descrizione fisica	1 online resource (X, 270 p.)
	Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 684
	Disciplina	006.4
	Soggetti	Pattern recognition Algorithms Natural language processing (Computer science) Information storage and retrieval Coding theory Information theory Combinatorics Pattern Recognition Algorithm Analysis and Problem Complexity Natural Language Processing (NLP) Information Storage and Retrieval Coding and Information Theory
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Bibliographic Level Mode of Issuance: Monograph
	Nota di contenuto	A linear time pattern matching algorithm between a string and a tree -- Tight comparison bounds for the string prefix-matching problem -- 3-D docking of protein molecules -- Minimal separators of two words -- Covering a string -- On the worst-case behaviour of some approximation algorithms for the shortest common supersequence of k strings -- An algorithm for locating non-overlapping regions of maximum alignment score -- Exact and approximation algorithms for the inversion distance between two chromosomes -- The maximum

	weight trace problem in multiple sequence alignment -- An algorithm for approximate tandem repeats -- Two dimensional pattern matching in a digitized image -- Analysis of a string edit problem in a probabilistic framework -- Detecting false matches in string matching algorithms -- On suboptimal alignments of biological sequences -- A fast filtration algorithm for the substring matching problem -- A unifying look at d-dimensional periodicities and space coverings -- Approximate string-matching over suffix trees -- Multiple sequence comparison and n-dimensional image reconstruction -- A new editing based distance between unordered labeled trees.
Sommario/riassunto	The papers contained in this volume were presented at the Fourth Annual Symposium on Combinatorial Pattern Matching, held in Padova, Italy, in June 1993. Combinatorial pattern matching addresses issues of searching and matching of strings and more complicated patterns such as trees, regular expressions, extended expressions, etc. The goal is to derive nontrivial combinatorial properties for such structures and then to exploit these properties in order to achieve superior performance for the corresponding computational problems. In recent years, a steady flow of high-quality scientific studies of this subject has changed a sparse set of isolated results into a full-fledged area of algorithmics. The area is expected to grow even further due to the increasing demand for speedand efficiency that comes especially from molecular biology and the Genome project, but also from other diverse areas such as information retrieval, pattern recognition, compilers, data compression, and program analysis.