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Record Nr.	UNINA9910483301103321
Titolo	Combinatorial pattern matching : 16th annual symposium, CPM 2005, Jeju Island, Korea, June 19-22, 2005 : proceedings / / Alberto Apostolico, Maxime Crochemore, Kunsoo Park (eds.)
Pubbl/distr/stampa	Berlin ; ; New York, : Springer, c2005
ISBN	3-540-31562-4 3-540-26201-6
Edizione	[1st ed. 2005.]
Descrizione fisica	1 online resource (XII, 452 p.)
Collana	Lecture notes in computer science, , 0302-9743 ; ; 3537
Altri autori (Persone)	ApostolicoAlberto <1948-> CrochemoreMaxime <1947-> ParkKunsoo
Disciplina	511/.6
Soggetti	Computer algorithms Combinatorial analysis
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 and index.
Nota di contenuto	Sharper Upper and Lower Bounds for an Approximation Scheme for Consensus-Pattern -- On the Longest Common Rigid Subsequence Problem -- Text Indexing with Errors -- A New Compressed Suffix Tree Supporting Fast Search and Its Construction Algorithm Using Optimal Working Space -- Succinct Suffix Arrays Based on Run-Length Encoding -- Linear-Time Construction of Compressed Suffix Arrays Using o(n log n)-Bit Working Space for Large Alphabets -- Faster Algorithms for ?,?-Matching and Related Problems -- A Fast Algorithm for Approximate String Matching on Gene Sequences -- Approximate Matching in the L 1 Metric -- An Efficient Algorithm for Generating Super Condensed Neighborhoods -- The Median Problem for the Reversal Distance in Circular Bacterial Genomes -- Using PQ Trees for Comparative Genomics -- Hardness of Optimal Spaced Seed Design -- Weighted Directed Word Graph -- Construction of Aho Corasick Automaton in Linear Time for Integer Alphabets -- An Extension of the Burrows Wheeler Transform and Applications to Sequence Comparison and Data Compression -- DNA Compression Challenge Revisited: A Dynamic Programming Approach -- On the Complexity of Sparse Exon Assembly

-- An Upper Bound on the Hardness of Exact Matrix Based Motif Discovery -- Incremental Inference of Relational Motifs with a Degenerate Alphabet -- Speeding up Parsing of Biological Context-Free Grammars -- A New Periodicity Lemma -- Two Dimensional Parameterized Matching -- An Optimal Algorithm for Online Square Detection -- A Simple Fast Hybrid Pattern-Matching Algorithm -- Prefix-Free Regular-Expression Matching -- Reducing the Size of NFAs by Using Equivalences and Preorders -- Regular Expression Constrained Sequence Alignment -- A Linear Tree Edit Distance Algorithm for Similar Ordered Trees -- A Polynomial Time Matching Algorithm of Ordered Tree Patterns Having Height-Constrained Variables -- Assessing the Significance of Sets of Words -- Inferring a Graph from Path Frequency -- Exact and Approximation Algorithms for DNA Tag Set Design -- Parametric Analysis for Ungapped Markov Models of Evolution -- Linear Programming for Phylogenetic Reconstruction Based on Gene Rearrangements -- Identifying Similar Surface Patches on Proteins Using a Spin-Image Surface Representation -- Mass Spectra Alignments and Their Significance.