

References

- [1] Amihod Amir, Oren Kapah, and Dekel Tsur. Faster two dimensional pattern matching with rotations. In Suleyman Cenk Sahinalp, S. Muthukrishnan, and Ugur Dogrusoz, editors, *Proceedings of the 15th Annual Symposium on Combinatorial Pattern Matching, CPM'2004 (Istanbul, Turkey, July 5-7, 2004)*, volume 3109 of *LNCS*, pages 409–419. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2004.
- [2] Rolf Backofen and Anke Busch. Computational design of new and recombinant selenoproteins. In Suleyman Cenk Sahinalp, S. Muthukrishnan, and Ugur Dogrusoz, editors, *Proceedings of the 15th Annual Symposium on Combinatorial Pattern Matching, CPM'2004 (Istanbul, Turkey, July 5-7, 2004)*, volume 3109 of *LNCS*, pages 270–284. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2004.
- [3] Ricardo Baeza-Yates. A fast set intersection algorithm for sorted sequences. In Suleyman Cenk Sahinalp, S. Muthukrishnan, and Ugur Dogrusoz, editors, *Proceedings of the 15th Annual Symposium on Combinatorial Pattern Matching, CPM'2004 (Istanbul, Turkey, July 5-7, 2004)*, volume 3109 of *LNCS*, pages 400–408. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2004.
- [4] Nikhil Bansal, Mark Cieliebak, and Zsuzsanna Lipták. Efficient algorithms for finding submasses in weighted strings. In Suleyman Cenk Sahinalp, S. Muthukrishnan, and Ugur Dogrusoz, editors, *Proceedings of the 15th Annual Symposium on Combinatorial Pattern Matching, CPM'2004 (Istanbul, Turkey, July 5-7, 2004)*, volume 3109 of *LNCS*, pages 194–204. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2004.
- [5] Tamar Barzuza, Jacques S. Beckmann, Ron Shamir, and Itsik Pe'er. Computational problems in perfect phylogeny haplotyping: Xor-genotypes and tag snps. In Suleyman Cenk Sahinalp, S. Muthukrishnan, and Ugur Dogrusoz, editors, *Proceedings of the 15th Annual Symposium on Combinatorial Pattern Matching, CPM'2004 (Istanbul, Turkey, July*

- 5-7, 2004), volume 3109 of *LNCS*, pages 14–31. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2004.
- [6] Anne Bergeron, Julia Mixtacki, and Jens Stoye. Reversal distance without hurdles and fortresses. In Suleyman Cenk Sahinalp, S. Muthukrishnan, and Ugur Dogrusoz, editors, *Proceedings of the 15th Annual Symposium on Combinatorial Pattern Matching, CPM'2004 (Istanbul, Turkey, July 5-7, 2004)*, volume 3109 of *LNCS*, pages 388–399. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2004.
- [7] Piotr Berman, Bhaskar DasGupta, Dhruv Mubayi, Robert Sloan, György Turán, and Yi Zhang. The protein sequence design problem in canonical model on 2d and 3d lattices. In Suleyman Cenk Sahinalp, S. Muthukrishnan, and Ugur Dogrusoz, editors, *Proceedings of the 15th Annual Symposium on Combinatorial Pattern Matching, CPM'2004 (Istanbul, Turkey, July 5-7, 2004)*, volume 3109 of *LNCS*, pages 244–253. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2004.
- [8] Vincent Berry and François Nicolas. Maximum agreement and compatible supertrees. In Suleyman Cenk Sahinalp, S. Muthukrishnan, and Ugur Dogrusoz, editors, *Proceedings of the 15th Annual Symposium on Combinatorial Pattern Matching, CPM'2004 (Istanbul, Turkey, July 5-7, 2004)*, volume 3109 of *LNCS*, pages 205–219. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2004.
- [9] Guillaume Blin, Guillaume Fertin, and Stéphane Vialette. New results for the 2-interval pattern problem. In Suleyman Cenk Sahinalp, S. Muthukrishnan, and Ugur Dogrusoz, editors, *Proceedings of the 15th Annual Symposium on Combinatorial Pattern Matching, CPM'2004 (Istanbul, Turkey, July 5-7, 2004)*, volume 3109 of *LNCS*, pages 311–322. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2004.
- [10] Ho-Leung Chan, Wing-Kai Hon, and Tak-Wah Lam. Compressed index for a dynamic collection of texts. In Suleyman Cenk Sahinalp, S. Muthukrishnan, and Ugur Dogrusoz, editors, *Proceedings of the 15th*

Annual Symposium on Combinatorial Pattern Matching, CPM'2004 (Istanbul, Turkey, July 5-7, 2004), volume 3109 of *LNCS*, pages 445–456. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2004.

- [11] Vicky Choi and Navin Goyal. A combinatorial shape matching algorithm for rigid protein docking. In Suleyman Cenk Sahinalp, S. Muthukrishnan, and Ugur Dogrusoz, editors, *Proceedings of the 15th Annual Symposium on Combinatorial Pattern Matching, CPM'2004 (Istanbul, Turkey, July 5-7, 2004)*, volume 3109 of *LNCS*, pages 285–296. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2004.
- [12] Maxime Crochemore, Chiara Epifanio, Roberto Grossi, and Filippo Mignosi. A trie-based approach for compacting automata. In Suleyman Cenk Sahinalp, S. Muthukrishnan, and Ugur Dogrusoz, editors, *Proceedings of the 15th Annual Symposium on Combinatorial Pattern Matching, CPM'2004 (Istanbul, Turkey, July 5-7, 2004)*, volume 3109 of *LNCS*, pages 145–158. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2004.
- [13] Miklós Csűrös. Performing local similarity searches with variable length seeds. In Suleyman Cenk Sahinalp, S. Muthukrishnan, and Ugur Dogrusoz, editors, *Proceedings of the 15th Annual Symposium on Combinatorial Pattern Matching, CPM'2004 (Istanbul, Turkey, July 5-7, 2004)*, volume 3109 of *LNCS*, pages 373–387. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2004.
- [14] Eugene Davydov and Serafim Batzoglou. A computational model for rna multiple structural alignment. In Suleyman Cenk Sahinalp, S. Muthukrishnan, and Ugur Dogrusoz, editors, *Proceedings of the 15th Annual Symposium on Combinatorial Pattern Matching, CPM'2004 (Istanbul, Turkey, July 5-7, 2004)*, volume 3109 of *LNCS*, pages 254–269. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2004.
- [15] Anders Dessmark, Jesper Jansson, Andrzej Lingas, and Eva-Marta Lundell. Polynomial-time algorithms for the ordered maximum agreement subtree problem. In Suleyman Cenk Sahinalp, S. Muthukrishnan, and

- Ugur Dogrusoz, editors, *Proceedings of the 15th Annual Symposium on Combinatorial Pattern Matching, CPM'2004 (Istanbul, Turkey, July 5-7, 2004)*, volume 3109 of *LNCS*, pages 220–229. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2004.
- [16] Nadav Efraty and Gad M. Landau. Sparse normalized local alignment. In Suleyman Cenk Sahinalp, S. Muthukrishnan, and Ugur Dogrusoz, editors, *Proceedings of the 15th Annual Symposium on Combinatorial Pattern Matching, CPM'2004 (Istanbul, Turkey, July 5-7, 2004)*, volume 3109 of *LNCS*, pages 333–346. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2004.
- [17] Kimmo Fredriksson and Gonzalo Navarro. Improved single and multiple approximate string matching. In Suleyman Cenk Sahinalp, S. Muthukrishnan, and Ugur Dogrusoz, editors, *Proceedings of the 15th Annual Symposium on Combinatorial Pattern Matching, CPM'2004 (Istanbul, Turkey, July 5-7, 2004)*, volume 3109 of *LNCS*, pages 457–471. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2004.
- [18] Leszek Gąsieniec and Roman Kolpakov. Real-time string matching in sublinear space. In Suleyman Cenk Sahinalp, S. Muthukrishnan, and Ugur Dogrusoz, editors, *Proceedings of the 15th Annual Symposium on Combinatorial Pattern Matching, CPM'2004 (Istanbul, Turkey, July 5-7, 2004)*, volume 3109 of *LNCS*, pages 117–129. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2004.
- [19] Richard F. Geary, Naila Rahman, Rajeev Raman, and Venkatesh Raman. A simple optimal representation for balanced parentheses. In Suleyman Cenk Sahinalp, S. Muthukrishnan, and Ugur Dogrusoz, editors, *Proceedings of the 15th Annual Symposium on Combinatorial Pattern Matching, CPM'2004 (Istanbul, Turkey, July 5-7, 2004)*, volume 3109 of *LNCS*, pages 159–172. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2004.
- [20] Arvind Gupta, Ján Maňuch, Ladislav Stacho, and Chenchen Zhu. Small phylogeny problem: Character evolution trees. In Suleyman Cenk Sahinalp, S. Muthukrishnan, and Ugur Dogrusoz, editors, *Proceedings of the 15th Annual Symposium on Combinatorial Pattern Matching, CPM'2004 (Istanbul, Turkey, July 5-7, 2004)*, volume 3109 of

LNCS, pages 230–243. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2004.

- [21] Michel Habib, Christophe Paul, and Mathieu Raffinot. Maximal common connected sets of interval graphs. In Suleyman Cenk Sahinalp, S. Muthukrishnan, and Ugur Dogrusoz, editors, *Proceedings of the 15th Annual Symposium on Combinatorial Pattern Matching, CPM'2004 (Istanbul, Turkey, July 5-7, 2004)*, volume 3109 of *LNCS*, pages 359–372. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2004.
- [22] Trinh N.D. Huynh, Wing-Kai Hon, Tak-Wah Lam, and Wing-Kin Sung. Approximate string matching using compressed suffix arrays. In Suleyman Cenk Sahinalp, S. Muthukrishnan, and Ugur Dogrusoz, editors, *Proceedings of the 15th Annual Symposium on Combinatorial Pattern Matching, CPM'2004 (Istanbul, Turkey, July 5-7, 2004)*, volume 3109 of *LNCS*, pages 434–444. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2004.
- [23] Svante Janson, Stefano Lonardi, and Wojciech Szpankowski. On the average sequence complexity. In Suleyman Cenk Sahinalp, S. Muthukrishnan, and Ugur Dogrusoz, editors, *Proceedings of the 15th Annual Symposium on Combinatorial Pattern Matching, CPM'2004 (Istanbul, Turkey, July 5-7, 2004)*, volume 3109 of *LNCS*, pages 74–88. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2004.
- [24] Yishan Jiao, Jingyi Xu, and Ming Li. On the k -closest substring and k -consensus pattern problems. In Suleyman Cenk Sahinalp, S. Muthukrishnan, and Ugur Dogrusoz, editors, *Proceedings of the 15th Annual Symposium on Combinatorial Pattern Matching, CPM'2004 (Istanbul, Turkey, July 5-7, 2004)*, volume 3109 of *LNCS*, pages 130–144. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2004.
- [25] Gregory Kucherov, Laurent Noé, and Mikhail Roytberg. Multi-seed lossless filtration. In Suleyman Cenk Sahinalp, S. Muthukrishnan, and Ugur Dogrusoz, editors, *Proceedings of the 15th Annual Symposium on*

Combinatorial Pattern Matching, CPM'2004 (Istanbul, Turkey, July 5-7, 2004), volume 3109 of *LNCS*, pages 297–310. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2004.

- [26] Gad M. Landau, Eugene Myers, and Michal Ziv-Ukelson. Two algorithms for lcs consecutive suffix alignment. In Suleyman Cenk Sahinalp, S. Muthukrishnan, and Ugur Dogrusoz, editors, *Proceedings of the 15th Annual Symposium on Combinatorial Pattern Matching, CPM'2004 (Istanbul, Turkey, July 5-7, 2004)*, volume 3109 of *LNCS*, pages 173–193. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2004.
- [27] Guojun Li, Xingqin Qi, Xiaoli Wang, and Binhai Zhu. A linear-time algorithm for computing translocation distance between signed genomes. In Suleyman Cenk Sahinalp, S. Muthukrishnan, and Ugur Dogrusoz, editors, *Proceedings of the 15th Annual Symposium on Combinatorial Pattern Matching, CPM'2004 (Istanbul, Turkey, July 5-7, 2004)*, volume 3109 of *LNCS*, pages 323–332. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2004.
- [28] Stefano Lonardi, Wojciech Szpankowski, and Qiaofeng Yang. Finding biclusters by random projections. In Suleyman Cenk Sahinalp, S. Muthukrishnan, and Ugur Dogrusoz, editors, *Proceedings of the 15th Annual Symposium on Combinatorial Pattern Matching, CPM'2004 (Istanbul, Turkey, July 5-7, 2004)*, volume 3109 of *LNCS*, pages 102–116. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2004.
- [29] Moritz G. Maaß. Average-case analysis of approximate trie search. In Suleyman Cenk Sahinalp, S. Muthukrishnan, and Ugur Dogrusoz, editors, *Proceedings of the 15th Annual Symposium on Combinatorial Pattern Matching, CPM'2004 (Istanbul, Turkey, July 5-7, 2004)*, volume 3109 of *LNCS*, pages 472–483. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2004.
- [30] Veli Mäkinen and Gonzalo Navarro. Compressed compact suffix arrays. In Suleyman Cenk Sahinalp, S. Muthukrishnan, and Ugur Dogrusoz, editors, *Proceedings of the 15th Annual Symposium on Combinatorial*

Pattern Matching, CPM'2004 (Istanbul, Turkey, July 5-7, 2004), volume 3109 of *LNCS*, pages 420–433. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2004.

- [31] Ron Y. Pinter, Oleg Rokhlenko, Dekel Tsur, and Michal Ziv-Ukelson. Approximate labelled subtree homeomorphism. In Suleyman Cenk Sahinalp, S. Muthukrishnan, and Ugur Dogrusoz, editors, *Proceedings of the 15th Annual Symposium on Combinatorial Pattern Matching, CPM'2004 (Istanbul, Turkey, July 5-7, 2004)*, volume 3109 of *LNCS*, pages 59–73. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2004.
- [32] Thomas Schmidt and Jens Stoye. Quadratic time algorithms for finding common intervals in two and more sequences. In Suleyman Cenk Sahinalp, S. Muthukrishnan, and Ugur Dogrusoz, editors, *Proceedings of the 15th Annual Symposium on Combinatorial Pattern Matching, CPM'2004 (Istanbul, Turkey, July 5-7, 2004)*, volume 3109 of *LNCS*, pages 347–358. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2004.
- [33] Tomoaki Suga and Shinichi Shimozone. Approximate point set pattern matching on sequences and planes. In Suleyman Cenk Sahinalp, S. Muthukrishnan, and Ugur Dogrusoz, editors, *Proceedings of the 15th Annual Symposium on Combinatorial Pattern Matching, CPM'2004 (Istanbul, Turkey, July 5-7, 2004)*, volume 3109 of *LNCS*, pages 89–101. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2004.
- [34] Firas Swidan, Michael A. Bender, Dongdong Ge, Simai He, Haodong Hu, and Ron Y. Pinter. Sorting by length-weighted reversals: Dealing with signs and circularity. In Suleyman Cenk Sahinalp, S. Muthukrishnan, and Ugur Dogrusoz, editors, *Proceedings of the 15th Annual Symposium on Combinatorial Pattern Matching, CPM'2004 (Istanbul, Turkey, July 5-7, 2004)*, volume 3109 of *LNCS*, pages 32–46. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2004.
- [35] Eric Tannier and Marie-France Sagot. Sorting by reversals in sub-quadratic time. In Suleyman Cenk Sahinalp, S. Muthukrishnan, and Ugur Dogrusoz, editors, *Proceedings of the 15th Annual Symposium on*

Combinatorial Pattern Matching, CPM'2004 (Istanbul, Turkey, July 5-7, 2004), volume 3109 of *LNCS*, pages 1–13. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2004.

- [36] Jinbo Xu, Daniel G. Brown, Ming Li, and Bin Ma. Optimizing multiple spaced seeds for homology search. In Suleyman Cenk Sahinalp, S. Muthukrishnan, and Ugur Dogrusoz, editors, *Proceedings of the 15th Annual Symposium on Combinatorial Pattern Matching, CPM'2004 (Istanbul, Turkey, July 5-7, 2004)*, volume 3109 of *LNCS*, pages 47–58. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2004.