References

[1] David J. Abraham, Robert W. Irving, and David F. Manlove. The student-project allocation problem. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 474–484. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[2] Tom Altman, Yoshihide Igarashi, and Michiko Omori. A turn function scheme realized in the asynchronous single-writer/multi-reader shared memory model. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 454–463. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[3] V. Arvind and Piyush P. Kurur. Upper bounds on the complexity of some galois theory problems. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 716–725. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[4] V. Arvind and Rainer Schuler. The quantum query complexity of 0-1 knapsack and associated claw problems. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 168–177. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[5] Jérémy Barbay and Claire Kenyon. Deterministic algorithm for the t-threshold set problem. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17,*

2003), volume 2906 of *LNCS*, pages 575–584. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[6] Cristina Bazgan, Zsolt Tuza, and Daniel Vanderpooten. On the existence and determination of satisfactory partitions in a graph. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 444–453. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[7] Richard Beigel, Lance Fortnow, and Frank Stephan. Infinitely-often autoreducible sets. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 98–107. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[8] Anne Berry, Pinar Heggernes, and Yngve Villanger. A vertex incremental approach for dynamically maintaining chordal graphs. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 47–57. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[9] Endre Boros, Khaled Elbassioni, Vladimir Gurvich, and Leonid Khachiyan. Algorithms for enumerating circuits in matroids. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 485–494. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[10] Peter Bürgisser and Felipe Cucker. Counting complexity classes over the reals i: The additive case. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan,*

2

December 15-17, 2003), volume 2906 of *LNCS*, pages 625–634. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[11] Ioannis Caragiannis, Christos Kaklamanis, and Panagiotis Kanellopoulos. Energy-efficient wireless network design. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 585–594. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[12] Jianer Chen, Iyad A. Kanj, and Ge Xia. Labeled search trees and amortized analysis: Improved upper bounds for *np*-hard problems. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 148–157. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[13] Jae-Sook Cheong, Herman J. Haverkort, and A. Frank van der Stappen. On computing all immobilizing grasps of a simple polygon with few contacts. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 260–269. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[14] Miroslav Chlebík and Janka Chlebíková. Approximation hardness of minimum edge dominating set and minimum maximal matching. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 415–424. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[15] Jinhee Chun, Kunihiko Sadakane, and Takeshi Tokuyama. Linear time algorithm for approximating a curve by a single-peaked curve. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings*

of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003), volume 2906 of LNCS, pages 6–15. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[16] Ferdinando Cicalese and Christian Deppe. Quasi-perfect minimally adaptive q-ary search with unreliable tests. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003), volume 2906 of LNCS, pages 527–536. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[17] Amin Coja-Oghlan, Sven O. Krumke, and Till Nierhoff. A heuristic for the stacker crane problem on trees which is almost surely exact. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003), volume 2906 of LNCS, pages 605–614. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[18] Artur Czumaj, Andrzej Lingas, and Johan Nilsson. Improved approximation algorithms for optimization problems in graphs with superlogarithmic treewidth. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003), volume 2906 of LNCS, pages 544–553. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[19] Ovidiu Daescu and Ningfang Mi. Polygonal path approximation: A query based approach. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003), volume 2906 of LNCS, pages 36–46. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[20] H.K. Dai and H.C. Su. On the locality properties of space-filling curves. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003), volume

2906 of *LNCS*, pages 385–394. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[21] Erik D. Demaine, Stefan Langerman, and Joseph O'Rourke. Geometric restrictions on producible polygonal protein chains. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 395–404. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[22] Giovanni Di Crescenzo and Clemente Galdi. Hypergraph decomposition and secret sharing. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 645–654. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[23] José Miguel Díaz-Báñez, Ferran Hurtado, Mario Alberto López, and J. Antoni Sellarès. Optimal point set projections onto regular grids. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 270–279. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[24] Adrian Dumitrescu. Efficient algorithms for generation of combinatorial covering suites. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 300–308. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[25] Annette Ebbers-Baumann, Ansgar Grüne, and Rolf Klein. On the geometric dilation of finite point sets. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 250–259. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[26] Akinobu Eguchi, Satoru Fujishige, and Akihisa Tamura. A generalized gale-shapley algorithm for a discrete-concave stable-marriage model. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 495–504. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[27] Stephan Eidenbenz, Aris Pagourtzis, and Peter Widmayer. Flexible train rostering. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 615–624. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[28] Friedrich Eisenbrand and Sören Laue. A faster algorithm for two-variable integer programming. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 290–299. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[29] Isaac Elias. Settling the intractability of multiple alignment. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 352–363. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[30] Amr Elmasry. Three sorting algorithms using priority queues. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 209–220. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[31] Thomas Erlebach and Stamatis Stefanakos. Wavelength conversion in shortest-path all-optical networks. In Toshihide Ibaraki, Naoki Katoh,

and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 595–604. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[32] Wieland Fischer and Jean-Pierre Seifert. Unfolded modular multiplication. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 726–735. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[33] Aleksei V. Fishkin, Klaus Jansen, and Monaldo Mastrolilli. On minimizing average weighted completion time: A ptas for the job shop problem with release dates. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 319–328. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[34] Travis Gagie. New ways to construct binary search trees. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 537–543. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[35] Raffaella Gentilini and Alberto Policriti. Biconnectivity on symbolically represented graphs: A linear solution. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 554–564. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[36] Ori Gerstel, Shay Kutten, Rachel Matichin, and David Peleg. Hotlink enhancement algorithms for web directories. In Toshihide Ibaraki, Naoki

Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 68–77. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[37] Wing-Kai Hon, Tak-Wah Lam, Kunihiko Sadakane, and Wing-Kin Sung. Constructing compressed suffix arrays with large alphabets. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 240–249. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[38] Wing-Kai Hon, Kunihiko Sadakane, and Wing-Kin Sung. Succinct data structures for searchable partial sums. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 505–516. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[39] Seok-Hee Hong and Peter Eades. Symmetric layout of disconnected graphs. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 405–414. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[40] Atsuyuki Inoue, Akira Ito, Katsushi Inoue, and Tokio Okazaki. Some properties of one-pebble turing machines with sublogarithmic space. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 635–644. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[41] Toshimasa Ishii, Shigeyuki Yamamoto, and Hiroshi Nagamochi. Augmenting forests to meet odd diameter requirements. In Toshihide

Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 434–443. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[42] Ravi Kannan, Michael W. Mahoney, and Ravi Montenegro. Rapid mixing of several markov chains for a hard-core model. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 663–675. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[43] George Karakostas and Anastasios Viglas. Equilibria for networks with malicious users. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 696–704. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[44] Yoshiyuki Karuno and Hiroshi Nagamochi. A better approximation for the two-machine flowshop scheduling problem with time lags. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 309–318. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[45] Md. Abul Kashem and M. Ziaur Rahman. An optimal parallel algorithm for c-vertex-ranking of trees. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 464–473. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[46] Hirotada Kobayashi. Non-interactive quantum perfect and statistical zero-knowledge. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka

Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 178–188. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[47] Hirotada Kobayashi, Keiji Matsumoto, and Tomoyuki Yamakami. Quantum merlin-arthur proof systems: Are multiple merlins more helpful to arthur? In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 189–198. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[48] Danny Krizanc, Pat Morin, and Michiel Smid. Range mode and range median queries on lists and trees. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 517–526. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[49] Soonhak Kwon, Chang Hoon Kim, and Chun Pyo Hong. Gauss period, sparse polynomial, redundant basis, and efficient exponentiation for a class of finite fields with small characteristic. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 736–745. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[50] T.W. Lam, N. Lu, H.F. Ting, Prudence W.H. Wong, and S.M. Yiu. Efficient algorithms for optimizing whole genome alignment with noise. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 364–374. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[51] Rung-Ren Lin, Wen-Hsiung Kuo, and Kun-Mao Chao. Finding a length-constrained maximum-density path in a tree. In Toshihide Ibaraki,

Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 78–87. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[52] Yaw-Ling Lin and Tsan-Sheng Hsu. Efficient algorithms for descendent subtrees comparison of phylogenetic trees with applications to co-evolutionary classifications in bacterial genome. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 339–351. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[53] Christoph Ludwig. A faster lattice reduction method using quantum search. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 199–208. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[54] Anil Maheshwari and Michiel Smid. A dynamic dictionary for priced information with application. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 16–25. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[55] Bodo Manthey and Rüdiger Reischuk. The intractability of computing the hamming distance. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 88–97. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[56] Tomomi Matsui, Mitsuo Motoki, and Naoyuki Kamatani. Polynomial time approximate sampler for discretized dirichlet distribution. In

Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 676–685. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[57] Hiroshi Nagamochi and Yuusuke Abe. An approximation algorithm for dissecting a rectangle into rectangles with specified areas. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 280–289. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[58] Hiroshi Nagamochi and Kohei Okada. Polynomial time 2-approximation algorithms for the minmax subtree cover problem. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 138–147. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[59] Gonzalo Navarro. Approximate regular expression searching with arbitrary integer weights. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 230–239. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[60] Tetsushi Nishida and Kokichi Sugihara. Voronoi diagram in the flow field. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 26–35. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[61] Takao Nishizeki. Drawing plane graphs. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Ky-*

oto, Japan, December 15-17, 2003), volume 2906 of *LNCS*, pages 2–5. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[62] Yoshio Okamoto. Fair cost allocations under conflicts — a game-theoretic point of view. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 686–695. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[63] Eun-Kyung Ryu, Kee-Won Kim, and Kee-Young Yoo. A promising key agreement protocol. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 655–662. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[64] Grzegorz Stachowiak. Lower bounds on correction networks. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 221–229. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[65] Shao Chin Sung and Keisuke Tanaka. Limiting negations in bounded-depth circuits: An extension of markov's theorem. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 108–116. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[66] Nadia Takki-Chebihi and Takeshi Tokuyama. Enumerating global roundings of an outerplanar graph. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 425–433. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[67] Torsten Tholey. A dynamic data structure for maintaining disjoint paths information in digraphs. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 565–574. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[68] Gabriel Valiente. A new simple algorithm for the maximum-weight independent set problem on circle graphs. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 129–137. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[69] Xiaodong Wu. Segmenting doughnut-shaped objects in medical images. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 375–384. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[70] Atsuko Yamaguchi and Hiroshi Mamitsuka. Finding the maximum common subgraph of a partial k-tree and a graph with a polynomially bounded number of spanning trees. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 58–67. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[71] Tomoyuki Yamakami. Computational complexity measures of multipartite quantum entanglement. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 117–128. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

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[72] Hiroaki Yamamoto. A new translation from semi-extended regular expressions into nfas and its application to an approximate matching problem. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 158–167. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[73] Andrew Chi-Chih Yao. Interactive proofs for quantum computation. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 1–1. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[74] Deshi Ye and Guochuan Zhang. Online scheduling of parallel jobs with dependencies on 2-dimensional meshes. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 329–338. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[75] Martin Ziegler. Quasi-optimal arithmetic for quaternion polynomials. In Toshihide Ibaraki, Naoki Katoh, and Hirotaka Ono, editors, *Proceedings of the 14th International Symposium on Algorithms and Computation, ISAAC'2003 (Kyoto, Japan, December 15-17, 2003)*, volume 2906 of *LNCS*, pages 705–715. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.