

## References

- [1] Abhijin Adiga, Diptendu Bhowmick, and L. Sunil Chandran. Boxicity and poset dimension. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 3–12. Springer-Verlag, Berlin-Heidelberg, 2010.
- [2] Shinya Anzai, Jinhee Chun, Ryosei Kasai, Matias Korman, and Takeshi Tokuyama. Effect of corner information in simultaneous placement of  $k$  rectangles and tableaux. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 235–243. Springer-Verlag, Berlin-Heidelberg, 2010.
- [3] John Augustine, David Eppstein, and Kevin A. Wortman. Approximate weighted farthest neighbors and minimum dilation stars. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 90–99. Springer-Verlag, Berlin-Heidelberg, 2010.
- [4] Giorgio Ausiello, Paolo G. Franciosa, Giuseppe F. Italiano, and Andrea Ribichini. Computing graph spanners in small memory: Fault-tolerance and streaming. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 160–172. Springer-Verlag, Berlin-Heidelberg, 2010.
- [5] Maxim Babenko, Alexey Gusakov, and Ilya Razenshteyn. Triangle-free 2-matchings revisited. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 120–129. Springer-Verlag, Berlin-Heidelberg, 2010.
- [6] Eric Bach, Shuchi Chawla, and Seeun Umboh. Threshold rules for online sample selection. In My T. Thai and Sartaj Sahni, editors, *Proceedings*

*of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 489–499. Springer-Verlag, Berlin-Heidelberg, 2010.

- [7] Piotr Berman, Marek Karpinski, and Andrzej Lingas. Exact and approximation algorithms for geometric and capacitated set cover problems. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 226–234. Springer-Verlag, Berlin-Heidelberg, 2010.
- [8] Sudip Biswas, Debajyoti Mondal, Rahnuma Islam Nishat, and Md. Saidur Rahman. Minimum-segment convex drawings of 3-connected cubic plane graphs. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 182–191. Springer-Verlag, Berlin-Heidelberg, 2010.
- [9] Manuel Blum. Understanding and inductive inference. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 1–1. Springer-Verlag, Berlin-Heidelberg, 2010.
- [10] Alain Bretto and Yannick Silvestre. Factorization of cartesian products of hypergraphs. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 173–181. Springer-Verlag, Berlin-Heidelberg, 2010.
- [11] Oleksiy Busaryev, Tamal K. Dey, and Yusu Wang. Tracking a generator by persistence. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 278–287. Springer-Verlag, Berlin-Heidelberg, 2010.
- [12] Jianer Chen and Jie Meng. A  $2k$  kernel for the cluster editing problem. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th An-*

*nual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 459–468. Springer-Verlag, Berlin-Heidelberg, 2010.

- [13] Xin Chen. On sorting permutations by double-cut-and-joins. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 439–448. Springer-Verlag, Berlin-Heidelberg, 2010.
- [14] Xue Chen, Guangda Hu, and Xiaoming Sun. The complexity of word circuits. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 308–317. Springer-Verlag, Berlin-Heidelberg, 2010.
- [15] Zhi-Zhong Chen, Bin Ma, and Lusheng Wang. A three-string approach to the closest string problem. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 449–458. Springer-Verlag, Berlin-Heidelberg, 2010.
- [16] Sherman S.M. Chow, Changshe Ma, and Jian Weng. Zero-knowledge argument for simultaneous discrete logarithms. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 520–529. Springer-Verlag, Berlin-Heidelberg, 2010.
- [17] Marek Chrobak, Christoph Dürr, Flavio Guíñez, Antoni Lozano, and Nguyen Kim Thang. Tile-packing tomography is *NP*-hard. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 254–263. Springer-Verlag, Berlin-Heidelberg, 2010.
- [18] Josef Cibulka, Jan Kynčl, Viola Mészáros, Rudolf Stolař, and Pavel Valtr. On three parameters of invisibility graphs. In My T. Thai and

Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 192–198. Springer-Verlag, Berlin-Heidelberg, 2010.

- [19] Miklós Csűrös. Approximate counting with a floating-point counter. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 358–367. Springer-Verlag, Berlin-Heidelberg, 2010.
- [20] Mark de Berg and Amirali Khosravi. Optimal binary space partitions in the plane. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 216–225. Springer-Verlag, Berlin-Heidelberg, 2010.
- [21] Bojan Djordjevic and Joachim Gudmundsson. Detecting areas visited regularly. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 244–253. Springer-Verlag, Berlin-Heidelberg, 2010.
- [22] Amr Elmasry. The longest almost-increasing subsequence. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 338–347. Springer-Verlag, Berlin-Heidelberg, 2010.
- [23] Amr Elmasry. The violation heap: A relaxed fibonacci-like heap. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 479–488. Springer-Verlag, Berlin-Heidelberg, 2010.
- [24] Alejandro Erickson, Frank Ruskey, Mark Schurch, and Jennifer Woodcock. Auspicious tatami mat arrangements. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference*

*on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 288–297. Springer-Verlag, Berlin-Heidelberg, 2010.

- [25] Vladimir Estivill-Castro, Apichat Heednacram, and Francis Suraweera. The rectilinear  $k$ -bends tsp. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 264–277. Springer-Verlag, Berlin-Heidelberg, 2010.
- [26] Antonio Fernández Anta and Miguel A. Mosteiro. Contention resolution in multiple-access channels:  $k$ -selection in radio networks. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 378–388. Springer-Verlag, Berlin-Heidelberg, 2010.
- [27] Henning Fernau, Fedor V. Fomin, Geevarghese Philip, and Saket Saurabh. The curse of connectivity:  $t$ -total vertex (edge) cover. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 34–43. Springer-Verlag, Berlin-Heidelberg, 2010.
- [28] Tobias Friedrich and Thomas Sauerwald. The cover time of deterministic random walks. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 130–139. Springer-Verlag, Berlin-Heidelberg, 2010.
- [29] Bin Fu and Lusheng Wang. Constant time approximation scheme for largest well predicted subset. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 429–438. Springer-Verlag, Berlin-Heidelberg, 2010.
- [30] Stanley P.Y. Fung. Online preemptive scheduling with immediate decision or notification and penalties. In My T. Thai and Sartaj Sahni, edi-

tors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 389–398. Springer-Verlag, Berlin-Heidelberg, 2010.

- [31] Michael Hartwig. On the density of regular and context-free languages. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 318–327. Springer-Verlag, Berlin-Heidelberg, 2010.
- [32] Alexander Holroyd, Frank Ruskey, and Aaron Williams. Faster generation of shorthand universal cycles for permutations. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 298–307. Springer-Verlag, Berlin-Heidelberg, 2010.
- [33] Oscar H. Ibarra. Computing with cells: Membrane systems. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 2–2. Springer-Verlag, Berlin-Heidelberg, 2010.
- [34] Rahul Jain, Hartmut Klauck, and Shengyu Zhang. Depth-independent lower bounds on the communication complexity of read-once boolean formulas. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 54–59. Springer-Verlag, Berlin-Heidelberg, 2010.
- [35] Sayaka Kamei, Hirotugu Kakugawa, Stéphane Devismes, and Sébastien Tixeuil. A self-stabilizing 3-approximation for the maximum leaf spanning tree problem in arbitrary networks. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 80–89. Springer-Verlag, Berlin-Heidelberg, 2010.

- [36] Michał Kolarz. Directed figure codes: Decidability frontier. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 530–539. Springer-Verlag, Berlin-Heidelberg, 2010.
- [37] Andreas Krebs, Nutan Limaye, and Meena Mahajan. Counting paths in vpa is complete for  $\#nc^1$ . In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 44–53. Springer-Verlag, Berlin-Heidelberg, 2010.
- [38] Sylvain Lazard, Christophe Weibel, Sue Whitesides, and Linqiao Zhang. On the computation of 3d visibility skeletons. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 469–478. Springer-Verlag, Berlin-Heidelberg, 2010.
- [39] Yunlong Liu and Xiaodong Wu. Fast coupled path planning: From pseudo-polynomial to polynomial. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 419–428. Springer-Verlag, Berlin-Heidelberg, 2010.
- [40] Daniel Lokshtanov, Neeldhara Misra, and Saket Saurabh. Imbalance is fixed parameter tractable. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 199–208. Springer-Verlag, Berlin-Heidelberg, 2010.
- [41] Chi-Jen Lu and Hsin-Lung Wu. On the hardness against constant-depth linear-size circuits. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 13–22. Springer-Verlag, Berlin-Heidelberg, 2010.

- [42] Doron Nussbaum, Shuye Pu, Jörg-Rüdiger Sack, Takeaki Uno, and Hamid Zarrabi-Zadeh. Finding maximum edge bicliques in convex bipartite graphs. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 140–149. Springer-Verlag, Berlin-Heidelberg, 2010.
- [43] Aimal Rextin and Patrick Healy. Maximum upward planar subgraph of a single-source embedded digraph. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 110–119. Springer-Verlag, Berlin-Heidelberg, 2010.
- [44] Ricky Rosen. A  $k$ -provers parallel repetition theorem for a version of no-signaling model. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 23–33. Springer-Verlag, Berlin-Heidelberg, 2010.
- [45] Frans Schalekamp, Michael Yu, and Anke van Zuylen. Clustering with or without the approximation. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 70–79. Springer-Verlag, Berlin-Heidelberg, 2010.
- [46] Yu-Hsuan Su, Ching-Chi Lin, and D.T. Lee. Broadcasting in heterogeneous tree networks. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 368–377. Springer-Verlag, Berlin-Heidelberg, 2010.
- [47] I.W. Sudarsana, Adiwijaya, and S. Musdalifah. The ramsey number for a linear forest versus two identical copies of complete graphs. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010*

(Nha Trang, Vietnam, July 19-21, 2010), volume 6196 of *LNCS*, pages 209–215. Springer-Verlag, Berlin-Heidelberg, 2010.

- [48] Rustem Takhanov. Extensions of the minimum cost homomorphism problem. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON’2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 328–337. Springer-Verlag, Berlin-Heidelberg, 2010.
- [49] Satoshi Tayu, Shota Fukuyama, and Shuichi Ueno. Universal test sets for reversible circuits. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON’2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 348–357. Springer-Verlag, Berlin-Heidelberg, 2010.
- [50] Meng-Tsung Tsai, Da-Wei Wang, Churn-Jung Liau, and Tsan-sheng Hsu. Heterogeneous subset sampling. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON’2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 500–509. Springer-Verlag, Berlin-Heidelberg, 2010.
- [51] Anke van Zuylen. Multiplying pessimistic estimators: Deterministic approximation of max tsp and maximum triangle packing. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON’2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 60–69. Springer-Verlag, Berlin-Heidelberg, 2010.
- [52] Lusheng Wang. Near optimal solutions for maximum quasi-bicliques. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON’2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 409–418. Springer-Verlag, Berlin-Heidelberg, 2010.
- [53] Mingyu Xiao. A note on vertex cover in graphs with maximum degree 3. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, CO-*

*COON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 150–159. Springer-Verlag, Berlin-Heidelberg, 2010.

- [54] Muhammad Nur Yanhaona, Md. Shamsuzzoha Bayzid, and Md. Saidur Rahman. Discovering pairwise compatibility graphs. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 399–408. Springer-Verlag, Berlin-Heidelberg, 2010.
- [55] Lei Zhang, Qianhong Wu, Bo Qin, and Josep Domingo-Ferrer. Identity-based authenticated asymmetric group key agreement protocol. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 510–519. Springer-Verlag, Berlin-Heidelberg, 2010.
- [56] Yong Zhang, Francis Y.L. Chin, and Hing-Fung Ting. Approximated distributed minimum vertex cover algorithms for bounded degree graphs. In My T. Thai and Sartaj Sahni, editors, *Proceedings of the 16th Annual International Conference on Computing and Combinatorics, COCOON'2010 (Nha Trang, Vietnam, July 19-21, 2010)*, volume 6196 of *LNCS*, pages 100–109. Springer-Verlag, Berlin-Heidelberg, 2010.