References

[1] Anna Adamaszek, Artur Czumaj, and Andrzej Lingas. Ptas for k-tour cover problem on the plane for moderately large values of k. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 994–1003. Springer-Verlag, Berlin-Heidelberg, 2009.

[2] Shivali Agarwal, Ankur Narang, and Rudrapatna K. Shyamasundar. Distributed scheduling of parallel hybrid computations. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 1144–1154. Springer-Verlag, Berlin-Heidelberg, 2009.

[3] Marwan Al-Jubeh, Mashhood Ishaque, Kristóf Rédei, Diane L. Souvaine, and Csaba D. Tóth. Tri-edge-connectivity augmentation for planar straight line graphs. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 902–912. Springer-Verlag, Berlin-Heidelberg, 2009.

[4] Dan Alistarh, Seth Gilbert, Rachid Guerraoui, and Corentin Travers. Of choices, failures and asynchrony: The many faces of set agreement. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 943–953. Springer-Verlag, Berlin-Heidelberg, 2009.

[5] Daniel Andersson and Peter Bro Miltersen. The complexity of solving stochastic games on graphs. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, De-*

cember 16-18, 2009), volume 5878 of *LNCS*, pages 112–121. Springer-Verlag, Berlin-Heidelberg, 2009.

[6] Elliot Anshelevich, Deeparnab Chakrabarty, Ameya Hate, and Chaitanya Swamy. Approximation algorithms for the firefighter problem: Cuts over time and submodularity. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 974–983. Springer-Verlag, Berlin-Heidelberg, 2009.

[7] Lars Arge and Morten Revsbæk. I/o-efficient contour tree simplification. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 1155–1165. Springer-Verlag, Berlin-Heidelberg, 2009.

[8] Diego Arroyuelo, Francisco Claude, Reza Dorrigiv, Stephane Durocher, Meng He, Alejandro López-Ortiz, J. Ian Munro, Patrick K. Nicholson, Alejandro Salinger, and Matthew Skala. Untangled monotonic chains and adaptive range search. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 203–212. Springer-Verlag, Berlin-Heidelberg, 2009.

[9] V. Arvind, Pushkar S. Joglekar, and Srikanth Srinivasan. On lower bounds for constant width arithmetic circuits. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 637–646. Springer-Verlag, Berlin-Heidelberg, 2009.

[10] Sang Won Bae, Sunghee Choi, Chunseok Lee, and Shin-ichi Tanigawa. Exact algorithms for the bottleneck steiner tree problem. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 24–33. Springer-Verlag, Berlin-Heidelberg, 2009.

[11] Sang Won Bae and Yoshio Okamoto. Querying two boundary points for shortest paths in a polygonal domain. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 1054–1063. Springer-Verlag, Berlin-Heidelberg, 2009.

[12] Nikhil Bansal, Alberto Caprara, Klaus Jansen, Lars Prädel, and Maxim Sviridenko. A structural lemma in 2-dimensional packing, and its implications on approximability. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 77–86. Springer-Verlag, Berlin-Heidelberg, 2009.

[13] Amotz Bar-Noy and Michael Lampis. Online maximum directed cut. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 1124–1133. Springer-Verlag, Berlin-Heidelberg, 2009.

[14] Cristina Bazgan, Basile Couëtoux, and Zsolt Tuza. Covering a graph with a constrained forest. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 892–901. Springer-Verlag, Berlin-Heidelberg, 2009.

[15] Paul C. Bell and Igor Potapov. The identity correspondence problem and its applications. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 657–667. Springer-Verlag, Berlin-Heidelberg, 2009.

[16] Therese Biedl, Stephane Durocher, and Jack Snoeyink. Reconstructing polygons from scanner data. In Yingfei Dong, Ding-Zhu Du, and Oscar

Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 862–871. Springer-Verlag, Berlin-Heidelberg, 2009.

[17] Hans-Joachim Böckenhauer, Dennis Komm, Rastislav Královič, Richard Královič, and Tobias Mömke. On the advice complexity of online problems. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 331–340. Springer-Verlag, Berlin-Heidelberg, 2009.

[18] Paul Bonsma and Felix Breuer. Finding fullerene patches in polynomial time. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 750–759. Springer-Verlag, Berlin-Heidelberg, 2009.

[19] N. Bourgeois, F. Della Croce, B. Escoffier, and V.Th. Paschos. Exact algorithms for dominating clique problems. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 4–13. Springer-Verlag, Berlin-Heidelberg, 2009.

[20] Gerth Stølting Brodal, Rolf Fagerberg, Mark Greve, and Alejandro López-Ortiz. Online sorted range reporting. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 173–182. Springer-Verlag, Berlin-Heidelberg, 2009.

[21] Gerth Stølting Brodal and Allan Grønlund Jørgensen. Data structures for range median queries. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 822–831. Springer-Verlag, Berlin-Heidelberg, 2009.

[22] Gerth Stølting Brodal, Allan Grønlund Jørgensen, Gabriel Moruz, and Thomas Mølhave. Counting in the presence of memory faults. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 842–851. Springer-Verlag, Berlin-Heidelberg, 2009.

[23] Gerth Stølting Brodal, Alexis C. Kaporis, Spyros Sioutas, Konstantinos Tsakalidis, and Kostas Tsichlas. Dynamic 3-sided planar range queries with expected doubly logarithmic time. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 193–202. Springer-Verlag, Berlin-Heidelberg, 2009.

[24] Daniel Bruce, Chính T. Hoàng, and Joe Sawada. A certifying algorithm for 3-colorability of p_5-free graphs. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 594–604. Springer-Verlag, Berlin-Heidelberg, 2009.

[25] Laurent Bulteau, Guillaume Fertin, and Irena Rusu. Maximal strip recovery problem with gaps: Hardness and approximation algorithms. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 710–719. Springer-Verlag, Berlin-Heidelberg, 2009.

[26] Jean Cardinal, Erik D. Demaine, Martin L. Demaine, Shinji Imahori, Stefan Langerman, and Ryuhei Uehara. Algorithmic folding complexity. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 452–461. Springer-Verlag, Berlin-Heidelberg, 2009.

[27] Gunnar Carlsson, Gurjeet Singh, and Afra Zomorodian. Computing multidimensional persistence. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 730–739. Springer-Verlag, Berlin-Heidelberg, 2009.

[28] R. Chandrasekaran and K. Subramani. A combinatorial algorithm for horn programs. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 1114–1123. Springer-Verlag, Berlin-Heidelberg, 2009.

[29] Danny Z. Chen and Haitao Wang. Approximating points by a piecewise linear function: I. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 224–233. Springer-Verlag, Berlin-Heidelberg, 2009.

[30] Danny Z. Chen and Haitao Wang. Approximating points by a piecewise linear function: Ii. dealing with outliers. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 234–243. Springer-Verlag, Berlin-Heidelberg, 2009.

[31] Danny Z. Chen and Haitao Wang. Locating an obnoxious line among planar objects. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 740–749. Springer-Verlag, Berlin-Heidelberg, 2009.

[32] Li Chen and Bin Fu. Linear and sublinear time algorithms for basis of abelian groups. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December*

16-18, 2009), volume 5878 of *LNCS*, pages 493–502. Springer-Verlag, Berlin-Heidelberg, 2009.

[33] Shiteng Chen, Zhiyi Huang, and Sampath Kannan. Reconstructing numbers from pairwise function values. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 142–152. Springer-Verlag, Berlin-Heidelberg, 2009.

[34] Xi Chen and Shang-Hua Teng. Spending is not easier than trading: On the computational equivalence of fisher and arrow-debreu equilibria. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 647–656. Springer-Verlag, Berlin-Heidelberg, 2009.

[35] Yam Ki Cheung and Ovidiu Daescu. Fréchet distance problems in weighted regions. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 97–111. Springer-Verlag, Berlin-Heidelberg, 2009.

[36] Francis Y.L. Chin, Hing-Fung Ting, and Yong Zhang. 1-bounded space algorithms for 2-dimensional bin packing. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 321–330. Springer-Verlag, Berlin-Heidelberg, 2009.

[37] Minkyoung Cho, David M. Mount, and Eunhui Park. Maintaining nets and net trees under incremental motion. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 1134–1143. Springer-Verlag, Berlin-Heidelberg, 2009.

[38] Jinhee Chun, Ryosei Kasai, Matias Korman, and Takeshi Tokuyama. Algorithms for computing the maximum weight region decomposable into elementary shapes. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 1166–1174. Springer-Verlag, Berlin-Heidelberg, 2009.

[39] Francisco Claude, Reza Dorrigiv, Stephane Durocher, Robert Fraser, Alejandro López-Ortiz, and Alejandro Salinger. Practical discrete unit disk cover using an exact line-separable algorithm. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 45–54. Springer-Verlag, Berlin-Heidelberg, 2009.

[40] Hagai Cohen and Ely Porat. Range non-overlapping indexing. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 1044–1053. Springer-Verlag, Berlin-Heidelberg, 2009.

[41] Andrzej Czygrinow, Michał Hańćkowiak, and Edyta Szymańska. Fast distributed approximation algorithm for the maximum matching problem in bounded arboricity graphs. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 668–678. Springer-Verlag, Berlin-Heidelberg, 2009.

[42] Decheng Dai and Rong Ge. New results on simple stochastic games. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 1014–1023. Springer-Verlag, Berlin-Heidelberg, 2009.

[43] Erik D. Demaine, Martin L. Demaine, Goran Konjevod, and Robert J. Lang. Folding a better checkerboard. In Yingfei Dong, Ding-Zhu

Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 1074–1083. Springer-Verlag, Berlin-Heidelberg, 2009.

[44] Craig Dillabaugh, Meng He, Anil Maheshwari, and Norbert Zeh. I/o and space-efficient path traversal in planar graphs. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 1175–1184. Springer-Verlag, Berlin-Heidelberg, 2009.

[45] Benjamin Doerr, Anna Huber, and Ariel Levavi. Strong robustness of randomized rumor spreading protocols. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 812–821. Springer-Verlag, Berlin-Heidelberg, 2009.

[46] Adrian Dumitrescu and Csaba D. Tóth. New bounds on the average distance from the fermat-weber center of a planar convex body. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 132–141. Springer-Verlag, Berlin-Heidelberg, 2009.

[47] Raphael Eidenbenz and Roger Wattenhofer. Good programming in transactional memory — game theory meets multicore architecture. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 503–513. Springer-Verlag, Berlin-Heidelberg, 2009.

[48] Khaled Elbassioni and Hans Raj Tiwary. Complexity of approximating the vertex centroid of a polyhedron. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu,*

Hawaii, USA, December 16-18, 2009), volume 5878 of *LNCS*, pages 413–422. Springer-Verlag, Berlin-Heidelberg, 2009.

[49] Sándor P. Fekete, Joseph S.B. Mitchell, and Christiane Schmidt. Minimum covering with travel cost. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 393–402. Springer-Verlag, Berlin-Heidelberg, 2009.

[50] Rudolf Fleischer and Yihui Wang. On the camera placement problem. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 255–264. Springer-Verlag, Berlin-Heidelberg, 2009.

[51] Paola Flocchini, Bernard Mans, and Nicola Santoro. Exploration of periodically varying graphs. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 534–543. Springer-Verlag, Berlin-Heidelberg, 2009.

[52] Fedor V. Fomin, Serge Gaspers, Saket Saurabh, and Stéphan Thomassé. A linear vertex kernel for MAXIMUM INTERNAL SPANNING TREE. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 275–282. Springer-Verlag, Berlin-Heidelberg, 2009.

[53] Robert Franke, Ignaz Rutter, and Dorothea Wagner. Computing large matchings in planar graphs with fixed minimum degree. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 872–881. Springer-Verlag, Berlin-Heidelberg, 2009.

[54] Takuro Fukunaga. Graph orientations with set connectivity requirements. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 265–274. Springer-Verlag, Berlin-Heidelberg, 2009.

[55] Petr Golovach, Pinar Heggernes, Dieter Kratsch, Daniel Lokshtanov, Daniel Meister, and Saket Saurabh. BANDWIDTH on at-free graphs. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 573–582. Springer-Verlag, Berlin-Heidelberg, 2009.

[56] Petr A. Golovach, Marcin Kamiński, Daniël Paulusma, and Dimitrios M. Thilikos. Induced packing of odd cycles in a planar graph. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 514–523. Springer-Verlag, Berlin-Heidelberg, 2009.

[57] Michael T. Goodrich and Darren Strash. Succinct greedy geometric routing in the euclidean plane. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 781–791. Springer-Verlag, Berlin-Heidelberg, 2009.

[58] Ronald L. Graham. Bubblesort and juggling sequences. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 1–1. Springer-Verlag, Berlin-Heidelberg, 2009.

[59] Qian-Ping Gu and Hisao Tamaki. Constant-factor approximations of branch-decomposition and largest grid minor of planar graphs in $o(n^{1+\epsilon})$ time. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms*

and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009), volume 5878 of *LNCS*, pages 984–993. Springer-Verlag, Berlin-Heidelberg, 2009.

[60] Sylvain Guillemot, Jesper Jansson, and Wing-Kin Sung. Computing a smallest multi-labeled phylogenetic tree from rooted triplets. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 1205–1214. Springer-Verlag, Berlin-Heidelberg, 2009.

[61] Sylvain Guillemot and Stéphane Vialette. Pattern matching for 321-avoiding permutations. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 1064–1073. Springer-Verlag, Berlin-Heidelberg, 2009.

[62] Jiong Guo, Iyad A. Kanj, Christian Komusiewicz, and Johannes Uhlmann. Editing graphs into disjoint unions of dense clusters. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 583–593. Springer-Verlag, Berlin-Heidelberg, 2009.

[63] Jiong Guo, Rolf Niedermeier, and Ondřej Suchý. Parameterized complexity of arc-weighted directed steiner problems. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 544–553. Springer-Verlag, Berlin-Heidelberg, 2009.

[64] Xin Han and Kazuhisa Makino. Online knapsack problems with limited cuts. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 341–351. Springer-Verlag, Berlin-Heidelberg, 2009.

[65] Kristoffer Arnsfelt Hansen, Oded Lachish, and Peter Bro Miltersen. Hilbert's thirteenth problem and circuit complexity. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 153–162. Springer-Verlag, Berlin-Heidelberg, 2009.

[66] Wing-Kai Hon, Tak-Wah Lam, Rahul Shah, Siu-Lung Tam, and Jeffrey Scott Vitter. Succinct index for dynamic dictionary matching. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 1034–1043. Springer-Verlag, Berlin-Heidelberg, 2009.

[67] Seok-Hee Hong and Hiroshi Nagamochi. Upward star-shaped polyhedral graphs. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 913–922. Springer-Verlag, Berlin-Heidelberg, 2009.

[68] Ping-Hui Hsu, Kuan-Yu Chen, and Kun-Mao Chao. Finding all approximate gapped palindromes. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 1084–1093. Springer-Verlag, Berlin-Heidelberg, 2009.

[69] Tai-Hsin Hsu and Hsueh-I Lu. An optimal labeling for node connectivity. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 303–310. Springer-Verlag, Berlin-Heidelberg, 2009.

[70] Qiang-Sheng Hua, Dongxiao Yu, Francis C.M. Lau, and Yuexuan Wang. Exact algorithms for set multicover and multiset multicover problems. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors,

Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009), volume 5878 of *LNCS*, pages 34–44. Springer-Verlag, Berlin-Heidelberg, 2009.

[71] Pei-Chi Huang, Hsin-Wen Wei, Yen-Chiu Chen, Ming-Yang Kao, Wei-Kuan Shih, and Tsan-sheng Hsu. Two-vertex connectivity augmentations for graphs with a partition constraint. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 1195–1204. Springer-Verlag, Berlin-Heidelberg, 2009.

[72] Tomoki Imada, Shunsuke Ota, Hiroshi Nagamochi, and Tatsuya Akutsu. Enumerating stereoisomers of tree structured molecules using dynamic programming. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 14–23. Springer-Verlag, Berlin-Heidelberg, 2009.

[73] Toshimasa Ishii and Kazuhisa Makino. Posi-modular systems with modulotone requirements under permutation constraints. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 473–482. Springer-Verlag, Berlin-Heidelberg, 2009.

[74] Takehiro Ito, Marcin Kamiński, Daniël Paulusma, and Dimitrios M. Thilikos. Parameterizing cut sets in a graph by the number of their components. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 605–615. Springer-Verlag, Berlin-Heidelberg, 2009.

[75] Takehiro Ito, Yuichiro Miyamoto, Hirotaka Ono, Hisao Tamaki, and Ryuhei Uehara. Route-enabling graph orientation problems. In

Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 403–412. Springer-Verlag, Berlin-Heidelberg, 2009.

[76] Chuzo Iwamoto, Kento Sasaki, Kenji Nishio, and Kenichi Morita. Computational complexity of cast puzzles. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 122–131. Springer-Verlag, Berlin-Heidelberg, 2009.

[77] Riko Jacob, Stephan Ritscher, Christian Scheideler, and Stefan Schmid. A self-stabilizing and local delaunay graph construction. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 771–780. Springer-Verlag, Berlin-Heidelberg, 2009.

[78] Minghui Jiang. Inapproximability of maximal strip recovery. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 616–625. Springer-Verlag, Berlin-Heidelberg, 2009.

[79] Naoyuki Kamiyama and Naoki Katoh. A polynomial-time algorithm for the universally quickest transshipment problem in a certain class of dynamic networks with uniform path-lengths. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 802–811. Springer-Verlag, Berlin-Heidelberg, 2009.

[80] Sanjiv Kapoor and Xiang-Yang Li. Geodesic spanners on polyhedral surfaces. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and*

Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009), volume 5878 of *LNCS*, pages 213–223. Springer-Verlag, Berlin-Heidelberg, 2009.

[81] George Karakostas. General pseudo-random generators from weaker models of computation. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 1094–1103. Springer-Verlag, Berlin-Heidelberg, 2009.

[82] Marek Karpiński, Andrzej Ruciński, and Edyta Szymańska. The complexity of perfect matching problems on dense hypergraphs. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 626–636. Springer-Verlag, Berlin-Heidelberg, 2009.

[83] Naoki Katoh. A proof of the molecular conjecture. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 2–3. Springer-Verlag, Berlin-Heidelberg, 2009.

[84] Naoki Katoh and Shin-ichi Tanigawa. On the infinitesimal rigidity of bar-and-slider frameworks. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 524–533. Springer-Verlag, Berlin-Heidelberg, 2009.

[85] Telikepalli Kavitha and Julián Mestre. Max-coloring paths: Tight bounds and extensions. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 87–96. Springer-Verlag, Berlin-Heidelberg, 2009.

[86] Telikepalli Kavitha and Meghana Nasre. Popular matchings with variable job capacities. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 423–433. Springer-Verlag, Berlin-Heidelberg, 2009.

[87] Jonathan Kelner and Petar Maymounkov. Electric routing and concurrent flow cutting. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 792–801. Springer-Verlag, Berlin-Heidelberg, 2009.

[88] Deepanjan Kesh and Shashank K. Mehta. Generalized reduction to compute toric ideals. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 483–492. Springer-Verlag, Berlin-Heidelberg, 2009.

[89] Jin Wook Kim, Siwon Choi, Joong Chae Na, and Jeong Seop Sim. Improved algorithms for finding consistent superstrings based on a new graph model. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 1185–1194. Springer-Verlag, Berlin-Heidelberg, 2009.

[90] Christian Knauer, Maarten Löffler, Marc Scherfenberg, and Thomas Wolle. The directed hausdorff distance between imprecise point sets. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 720–729. Springer-Verlag, Berlin-Heidelberg, 2009.

[91] Yusuke Kobayashi and Christian Sommer. On shortest disjoint paths in planar graphs. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms*

and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009), volume 5878 of *LNCS*, pages 293–302. Springer-Verlag, Berlin-Heidelberg, 2009.

[92] Annamária Kovács, Ulrich Meyer, Gabriel Moruz, and Andrei Negoescu. Online paging for flash memory devices. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 352–361. Springer-Verlag, Berlin-Heidelberg, 2009.

[93] Minming Li. Approximation algorithms for variable voltage processors: Min energy, max throughput and online heuristics. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 372–382. Springer-Verlag, Berlin-Heidelberg, 2009.

[94] Minming Li, Peng-Jun Wan, and Frances Yao. Tighter approximation bounds for minimum cds in wireless ad hoc networks. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 699–709. Springer-Verlag, Berlin-Heidelberg, 2009.

[95] Shuai Cheng Li and Yen Kaow Ng. On protein structure alignment under distance constraint. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 65–76. Springer-Verlag, Berlin-Heidelberg, 2009.

[96] Tien-Ching Lin and D.T. Lee. Optimal randomized algorithm for the density selection problem. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 1004–1013. Springer-Verlag, Berlin-Heidelberg, 2009.

[97] Tsung-Hao Liu and Hsueh-I. Lu. Minimum cycle bases of weighted outerplanar graphs. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 564–572. Springer-Verlag, Berlin-Heidelberg, 2009.

[98] Bodo Manthey and Heiko Röglin. Worst-case and smoothed analysis of k-means clustering with bregman divergences. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 1024–1033. Springer-Verlag, Berlin-Heidelberg, 2009.

[99] Ján Maňuch, Ladislav Stacho, and Christine Stoll. Step-assembly with a constant number of tile types. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 954–963. Springer-Verlag, Berlin-Heidelberg, 2009.

[100] Tamara Mchedlidze and Antonios Symvonis. Crossing-free acyclic hamiltonian path completion for planar st-digraphs. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 882–891. Springer-Verlag, Berlin-Heidelberg, 2009.

[101] Yoshitaka Nakao and Hiroshi Nagamochi. Worst case analysis for pickup and delivery problems with consecutive pickups and deliveries. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 554–563. Springer-Verlag, Berlin-Heidelberg, 2009.

[102] Yakov Nekrich. Data structures for approximate orthogonal range counting. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and*

Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009), volume 5878 of *LNCS*, pages 183–192. Springer-Verlag, Berlin-Heidelberg, 2009.

[103] Kazumasa Okumoto, Takuro Fukunaga, and Hiroshi Nagamochi. Divide-and-conquer algorithms for partitioning hypergraphs and submodular systems. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 55–64. Springer-Verlag, Berlin-Heidelberg, 2009.

[104] Daniël Paulusma and Johan M.M. van Rooij. On partitioning a graph into two connected subgraphs. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 1215–1224. Springer-Verlag, Berlin-Heidelberg, 2009.

[105] Imran A. Pirwani. Shifting strategy for geometric graphs without geometry. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 362–371. Springer-Verlag, Berlin-Heidelberg, 2009.

[106] Toshiki Saitoh, Yota Otachi, Katsuhisa Yamanaka, and Ryuhei Uehara. Random generation and enumeration of bipartite permutation graphs. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 1104–1113. Springer-Verlag, Berlin-Heidelberg, 2009.

[107] Jens M. Schmidt. Interval stabbing problems in small integer ranges. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 163–172. Springer-Verlag, Berlin-Heidelberg, 2009.

[108] Johannes Schneider and Roger Wattenhofer. Bounds on contention management algorithms. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 441–451. Springer-Verlag, Berlin-Heidelberg, 2009.

[109] Scott Schneider and Michael Spertus. A simple, fast, and compact static dictionary. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 852–861. Springer-Verlag, Berlin-Heidelberg, 2009.

[110] Siddhartha Sen and Robert E. Tarjan. Deletion without rebalancing in multiway search trees. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 832–841. Springer-Verlag, Berlin-Heidelberg, 2009.

[111] Dae Young Seo, D.T. Lee, and Tien-Ching Lin. Geometric minimum diameter minimum cost spanning tree problem. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 283–292. Springer-Verlag, Berlin-Heidelberg, 2009.

[112] Donald Stanley and Boting Yang. Lower bounds on fast searching. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 964–973. Springer-Verlag, Berlin-Heidelberg, 2009.

[113] Linqing Tang. Conditional hardness of approximating satisfiable max 3csp-q. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18,*

2009), volume 5878 of *LNCS*, pages 923–932. Springer-Verlag, Berlin-Heidelberg, 2009.

[114] Weiwei Wu, Minming Li, and Enhong Chen. Min-energy scheduling for aligned jobs in accelerate model. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 462–472. Springer-Verlag, Berlin-Heidelberg, 2009.

[115] Jinhui Xu, Lei Xu, and Evanthia Papadopoulou. Computing the map of geometric minimal cuts. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 244–254. Springer-Verlag, Berlin-Heidelberg, 2009.

[116] Ping Xu and Xiang-Yang Li. Sofa: Strategyproof online frequency allocation for multihop wireless networks. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 311–320. Springer-Verlag, Berlin-Heidelberg, 2009.

[117] Shihong Xu and Hong Shen. The fault-tolerant facility allocation problem. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 689–698. Springer-Verlag, Berlin-Heidelberg, 2009.

[118] Zhou Xu and Liang Xu. Approximation algorithms for min-max path cover problems with service handling time. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 383–392. Springer-Verlag, Berlin-Heidelberg, 2009.

[119] Daisuke Yamaguchi, Shinji Imahori, Ryuhei Miyashiro, and Tomomi Matsui. An improved approximation algorithm for the traveling tour-

nament problem. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 679–688. Springer-Verlag, Berlin-Heidelberg, 2009.

[120] Tomoyuki Yamakami. The roles of advice to one-tape linear-time turing machines and finite automata. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 933–942. Springer-Verlag, Berlin-Heidelberg, 2009.

[121] Shengyu Zhang. On the tightness of the buhrman-cleve-wigderson simulation. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 434–440. Springer-Verlag, Berlin-Heidelberg, 2009.

[122] Xiao Zhou and Takao Nishizeki. Convex drawings of internally triconnected plane graphs on $o(n^2)$ grids. In Yingfei Dong, Ding-Zhu Du, and Oscar Ibarra, editors, *Proceedings of the 20th International Symposium on Algorithms and Computation, ISAAC'2009 (Honolulu, Hawaii, USA, December 16-18, 2009)*, volume 5878 of *LNCS*, pages 760–770. Springer-Verlag, Berlin-Heidelberg, 2009.