Themenliste Seminar Diskrete Mathematik und Algorithmentheorie (Gruppe Optimierung und Graphenalgorithmen) MAT.606UF, SS 2020

Eranda Dragoti-Çela und Bettina Klinz

Die Themen 1-8 werden von Eranda Dragoti-Çela betreut, die Themen 9–19 von Bettina Klinz.[1]

References

[1] M. Anapolska, C. Büsing, M. Comis und T. Krabs.
Minimum color-degree perfect b-matchings,
Optimization Online (2019), 1–23.
http://www.optimization-online.org/DB_HTML/2019/02/7071.html

[2] C. Büsing, S. Goderbauer, A.M.V. Koster und M. Kutschka.
Formulations and algorithms for the recoverable Γ-robust knapsack problem,
EURO J. Computational Optimization **7(1)**, 2019, 15–45.
https://link.springer.com/article/10.1007%2Fs13675-018-0107-9

[3] A. Chassein und M. Goerigk.
Performance analysis in robust optimization,
in Doumpos M., Zopounidis C., Grigoroudis E. (eds), *Robustness Analysis in Decision Aiding, Optimization, and Analytics*, International Series in Operations Research & Management Science, vol. 241. Springer, Cham, 2016, 145–170.
Zugänglich via https://kluedo.ub.uni-kl.de

[4] D. Coudet, S. Pérennes, H. Rivano und M. Voge.
Combinatorial optimization in networks with Shared Risk Link Groups,
Discrete Mathematics and Theoretical Computer Science **18(3)**, 2014.
Zugänglich via https://www.researchgate.net

[5] E. Fernández, M.A. Pozo, J. Puerto und A. Scozzari.
Ordered weighted average optimization in multiobjective spanning tree problems,
European Journal of Operational Research **260(3)**, 2017, 886–903.
https://www.sciencedirect.com/science/article/abs/pii/S0377221716308499

[6] V. Gabrel und C. Murat.
Robustness and duality in linear programming,
Journal of the Operational Research Society **61(8)**, 1288–1296.
Zugänglich via https://www.researchgate.net

[7] N. Hähnle, L. Sanità und R. Zenklusen.
Stable routing and unique max-coloring on trees,
SIAM Journal on Discrete Mathematics **27(1)**, 2016, 109–125.
Zugänglich via https://www.semanticscholar.org

[8] A. Hertz, O. Marcotte, A. Mdimagh, M. Carreau und F. Welt.
Optimizing the design of a wind farm collection network,
INFOR Information Systems and Operational Research **50(2)**, 2012, 95–104.
Zugänglich via https://www.researchgate.net

[1] Manche Links sind nur im virtuellen TU Campus zugänglich. Bitte kontaktieren sie bei Bedarf die Betreuerin.

[9] S. Ahmadian, U. Bhaskar, L. Sanità and C. Swarmy.
Algorithms for inverse optimization problems,
in: *Proceedings of the 26th Annual European Symposium on Algorithms*, 2018, 910–921.
https://drops.dagstuhl.de/opus/volltexte/2018/9464/pdf/LIPIcs-ESA-2018-1.pdf

[10] O. Arslan, G.Ç. Kumcu, B.Y. Kara and G. Laporte.
The location and location-routing problem for the refugee camp network design,
preprint, December 2019, submitted.
http://www.optimization-online.org/DB_HTML/2019/12/7524.html

[11] J.P. Burgard, S. de Vries, D. Kreber and U. Friedrich.
Exact solution of the donor-limited nearest neighbor hot deck imputation problem,
preprint, August 2019, submitted.
http://www.optimization-online.org/DB_HTML/2019/08/7343.html

[12] H. Corsten, M. Hopf, B. Kasper and C. Thielen.
Assortment planning for multiple chain stores,
OR Spektrum **40**, 2018, 875–912.
https://link.springer.com/article/10.1007/s00291-017-0496-9

[13] M. Delorme, S. Garcia, J. Gondzio, J. Kalcics, D. Manlove and W. Petterson.
Stability in the Hospitals / Residents problem with couples and ties: Mathematical models and computational studies,
preprint, March 2020, submitted.
http://www.optimization-online.org/DB_HTML/2020/03/7697.html

[14] F. Eberle, F. Fischer, J. Matuschke and N. Megow.
On index policies for stochastic minsum scheduling,
Operations Research Letters **47**, 2019, 213–218.
https://doi.org/10.1016/j.orl.2019.03.007

[15] Y. Disser and J. Matuschke.
The complexity of computing a robust flow,
Operations Research Letters **48**, 2020, 18–23.
https://doi.org/10.1016/j.orl.2019.10.012

[16] M. Henzinger, A. Noe and C. Schulz.
Shared-memory exact minimum cuts,
in: *Proceedings of the 3rd IEEE International Parallel & Distributed Processing Symposium*, 2019, 13-22.
https://eprints.cs.univie.ac.at/6013/1/paper.pdf

[17] M. Labbé, F. Plein, M. Schmidt and J. Thürauf.
Deciding feasibility of a booking in the European gas market on a cycle is in P,
preprint, November 2019, submitted.
http://www.optimization-online.org/DB_HTML/2019/11/7472.html

[18] C. Weiß, S. Knust, N.V. Shakhlevich, S. Waldherr.
The assignment problem with nearly Monge arrays and incompatible partner indices,
Discrete Applied Mathematics **211**, 2016, 183–203.
http://www.sciencedirect.com/science/article/pii/S0166218X16301780

[19] F.J.L. Willamowski and A.M. Tillmann.
Minimizing airplane boarding time,
preprint, November 2019, submitted.
http://www.optimization-online.org/DB_HTML/2019/11/7459.html