

Schriftenverzeichnis

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1. On 2-regular subgraphs in polyhedral graphs, *Discrete Mathematics*, 251 (2002), 97-102.
2. Menger's Theorem, (with T. Böhme , J. Harant), *Journal of Graph Theory*, 37 (2001), 35-36.
3. Short Proof of Menger's Theorem, *Discrete Mathematics* , 219 (2000), 295-29.
4. A proof of Menger's Theorem by contraction, *Discussiones Mathematicae, Graph Theory*, 22 (2002), 111-112.
5. Wegesysteme, *Dissertationsschrift*, TU Ilmenau, Dezember 2002.
6. On short cycles through prescribed vertices of a graph (with J. Harant, E. Hexel, *Zs.Tuza*, *Discrete Mathematics* 286 (2004), 67-74
7. On domination in graphs (with J. Harant), *Discussiones Mathematicae, Graph Theory* 25 (2005), 7-12
8. Mader Tools , *DMTCS* , *Proceedings of EuroComb 2005*.
9. On cycles through specified vertices (with T. Gerlach, J. Harant, M. Tkáč), *Discrete Mathematics* 306 (2006), 831-835.
10. Local topological toughness and local factors (with G.Y.Katona),
Preprint 2006-24, Technische Universität Chemnitz, Fakultät für Mathematik, Dezember 2006.
11. Learning of Winning Strategies for Terminal Games with Linear-Size Memory (with T.Böhme, *Zs.Tuza*, and H.Unger), *International journal of game theory*. - Berlin : Springer, ISSN 14321270, Bd. 38 (2009), 2, S. 155-168,
Preprint 2006-25, Technische Universität Chemnitz, Fakultät für Mathematik, Dezember 2006.
12. On \mathcal{F} -independence in Graphs (with J. Harant, D. Rautenbach and I. Schiermeyer), *Discussiones Mathematicae Graph Theory* 29(2009)377-383,
Preprint No. M 05/07 TU Ilmenau, Fakultät für Mathematik und Naturwissenschaften

13. Locally Dense Independent Sets in Regular Graphs of Large Girth - An example of a new approach (with J. Harant, D.Rautenbach, I.Schiermeyer), in *Research Trends in Combinatorial Optimization*, Springer-Verlag Berlin Heidelberg (2008) 163-183,
Preprint 2007-19, Technische Universität Chemnitz, Fakultät für Mathematik, Oktober 2007.
14. Embedded in the Shadow of the Separator (with C. Helmberg, M. Wappler), *SIAM J. Optim.* (2008), Vol. 19, No. 1, pp. 472-501,
Preprint 2005-12, Technische Universität Chemnitz, Fakultät für Mathematik, September 2005.
15. Random Procedures for Dominating Sets in Graphs (with S.Artmann, J.Harant, D.Rautenbach, I.Schiermeyer), submitted to *Random Structures and Algorithms*,
Preprint 2008-10, Technische Universität Chemnitz, Fakultät für Mathematik, Mai 2008.
16. Graph Realizations Associated with Minimizing the Maximum Eigenvalue of the Laplacian (with C. Helmberg, and S. Reiss),
Preprint 2009-10, Technische Universität Chemnitz, Fakultät für Mathematik, May 2009.
17. The Rotational Dimension of a Graph (C. Helmberg, and M. Wappler), accepted in *Journal of Graph Theory*, *Electronic notes in discrete mathematics* 27 (2006), 37-38,
Preprint 2008-16, Technische Universität Chemnitz, Fakultät für Mathematik, October 2008.
18. Hamiltonian cycles through prescribed edges of at least 4-connected maximal planar graphs (with J. Harant), *Discrete mathematics. - Amsterdam : Elsevier Science* (2010), 9, S. 1491-1494.
19. Prescribed edges and forbidden edges for a cycle in a planar graph (with J. Harant), submitted to *Discrete Applied Mathematics*,
Preprint 2010-17, Technische Universität Chemnitz, Fakultät für Mathematik, October 2010.
20. GreedyMAX-type algorithms for the maximum independent set problem (with P. Borowiecki), accepted in *Lecture Notes in Computer Science*, October 2010.

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