

Thomas Böhme's Papers

Thesis

- [1] Über räumliche Darstellungen endlicher Graphen (*On spatial representations of finite graphs*), Dissertationsschrift, TH Ilmenau (1988).
- [2] Über Kreise in eingebetteten Graphen (*On cycles in embedded graphs*), Habilitationsschrift, TU Ilmenau (1999).

Papers in refereed journals

- [3] (with A.V. Kostochka and A. Thomason) Minors in graphs with high chromatic number, *Combinatorics, Probability and Computing* 20 (2011) 513 - 518.
- [4] (with A.V. Kostochka and A. Thomason) Hadwiger numbers and overdominating colourings, *Discrete Math.* 310 (2010) 2662 - 2665.
- [5] (with Frank Göring, Zsolt Tuza and Herwig Unger) Learning of winning strategies for terminal games with linear-size memory, *Int. J. Game Theory* 38 (2009) 155 - 168.
- [6] (with K. Kawarabayashi, J. Maharry and B. Mohar) Linear connectivity forces large complete bipartite minors, *J. Combin. Theory (Series B)* 99 (2009) 557 - 582.
- [7] (with M. Knor and L. Niepel) Linkability in iterated line graphs, *Discrete Math.* 306 (2006) 666 - 669.
- [8] (with A.V. Kostochka) Disjoint K_r -minors in large graphs with given average degree, *Eur. J. Comb.* 26 (2005) 289 - 292.
- [9] (with B. Mohar, R. Skrekowski and M. Stiebitz) Subdivisions of large complete bipartite graphs and long induced paths in k -connected graphs, *J. Graph Theory* 45 (2004) 270 - 274.
- [10] (with B. Mohar) Domination, packing and excluded minors, *Electron. J. Comb.* 10, No.1, Research paper N9, 6 p. (2003).
- [11] (with J. Maharry and B. Mohar) $K_{a,k}$ minors in graphs of bounded tree-width, *J. Combin. Theory (Series B)* 86 (2002) 133 - 147.
- [12] (with B. Mohar and C. Thomassen) Long cycles in graphs on a fixed surface, *J. Combin. Theory (Series B)* 85 (2002) 338 - 347.
- [13] (with B. Mohar) Labelled $K_{2,t}$ minors in planar graphs, *J. Combin. Theory (Series B)* 84 (2002) 291 - 300.
- [14] (with F. Göring and J. Harant) Menger's theorem, *J. Graph Theory* 37 (2001) 35 - 36.
- [15] (with J. Harant and M. Tkáč) More than 1-tough chordal planar graphs are Hamiltonian, *J. Graph Theory* 32 (1999) 405 - 410.
- [16] (with B. Mohar and M. Stiebitz) Dirac's map color theorem for choosability, *J. Graph Theory* 32 (1999) 327 - 339.
- [17] (with J. Harant and M. Tkáč) On certain Hamiltonian cycles in planar graphs, *J. Graph Theory* 32 (1999) 81 - 96.
- [18] (with H.J. Broersma and H. Tuinstra) A note on a conjecture concerning tree partitioning 3-regular graphs, *Tatra Mt. Math. Publ.* 18 (1999) 81 - 96.

- [19] (with J. Harant) On Hamiltonian cycles in 4- and 5-connected graphs, *Discrete Math.* 191 (1998) 25 - 30.
- [20] (with J. Harant, I. Schiermeyer and A. Pruchnewski) A planarity criterion for cubic bipartite graphs, *Discrete Math.* 191(1998) 31 - 43.
- [21] (with H.J. Broersma, F. Göbel, A. Kostochka and M. Stiebitz) A note on spanning trees with pairwise nonadjacent end-vertices. *Discrete Math.* 170 (1997) 219 - 222.
- [22] (with H.J. Broersma and H.J. Veldman) Toughness and longest cycles in 2-connected planar graphs, *J. Graph Theory* 23 (1996) 257 - 263.
- [23] (with J. Harant and M. Tkáč) On the minimal number of separating 3-cycles in maximal planar non-Hamiltonian graphs, *Tatra Mt. Math. Publ.* 9 (1996) 97 - 102.

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- [25] (with J. Schreyer and H. Unger) Emergent communication in repeated binary common payoff games, in *11th SDPS Transdisciplinary Conference on Integrated Systems Design and Process Science, 2008* (2008).
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- [27] (with H. Unger) A decentralized, probabilistic money system for P2P network communities, in *Virtual Goods 2003 International Workshop for Technology, Economy, Social and Legal Aspects of Virtual Goods, May 22 - 24 2003 in Ilmenau, Germany* (2003) <http://VirtualGoods.tu-ilmenau.de>.
- [28] (with H. Unger) Distribution of information in decentralized computer communities, in *High Performance Computing (HPC) 2001, Ed. A. Tentner*, Seattle (2001) 201 - 205.
- [29] (with W. Fengler and J. Nützel) Objektorientierter Entwurf verteilter eingebetteter Echtzeitsysteme auf Basis höherer Petri-Netze (*Object-oriented design of distributed real-time systems using generalized Petri-nets*), in *6. Fachtagung Entwurf Komplexer Automatisierungssysteme (EKA'99)*, Braunschweig (1999).
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- [36] (with H. Unger) Aspects of the automatic generation of parallel programs, in *ParCO 1993, Parallel Computing: Trends and Applications, Eds. G.R. Joubert, D. Trystram, F.J. Peters, and D.J. Evans* Elsevier Science B.V. (1994) 573 - 581.
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- [39] A note on metric properties of infinite graphs, in *Essays in honour of Gerhard Ringel, Topics in Combinatorics and Graphtheory, Eds. R. Bodendiek and R. Henn*, Physika Verlag, Heidelberg (1990) 111 - 115.
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- [46] (with H. Sachs) Über räumliche Darstellungen endlicher Graphen (*On spatial representations of finite graphs*), in *Geometrie und Kombinatorik, 2. Kolloq. Karl-Marx-Stadt/DDR 1983, Teil I* (1984) 29 - 42.
- [47] (with H. Sachs) Über räumliche Darstellungen endlicher Graphen (*On spatial representations of finite graphs*), Mitt. Math. Ges. DDR, No.1 (1983) 5 - 31.
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- [53] (with J. Nützel, M. Stein and S. Schwetschke) Verfahren zur Verfügbarmachung von multimedialen Datenmengen (*A method for distributing of multi-media data*), Patentschrift DE 10059230 C2 (28.11.2002)

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