

# Marek Cygan

Lista publikacji  
z dnia 30 października 2010

## Publikacje w czasopismach naukowych

1. **Cygan M.**, Pilipczuk M., Skrekovski R., 2010, **Relation between Randić index and average distance of trees**, *MATCH Communications in Mathematical and in Computer Chemistry*, (praca zaakceptowana do publikacji)
2. **Cygan M.**, Pilipczuk M., 2010, **Exact and approximate Bandwidth**, *Theoretical Computer Science* 411: 3701-3713
3. **Cygan M.**, Pilipczuk M., 2009, **Even faster exact Bandwidth**, *ACM Transactions on Algorithms*, (praca zaakceptowana do publikacji)
4. **Cygan M.**, Kowalik Ł., Wykurz M., 2009, **Exponential-Time Approximation of Weighted Set Cover**, *Information Processing Letters* 109: 957-961

## Prace pokonferencyjne

1. **Cygan M.**, Pilipczuk M., Pilipczuk M., Wojtaszczyk J.O., 2011, **The stubborn problem is stubborn no more (a polynomial algorithm for 3-compatible colouring and the stubborn list partition problem)**, *ACM-SIAM Symposium on Discrete Algorithms (SODA)*, 1666-1674
2. **Cygan M.**, Pilipczuk M., Pilipczuk M., Wojtaszczyk J.O., 2010, **Improved FPT algorithm and quadratic kernel for Pathwidth One Vertex Deletion**, *International Symposium on Parameterized and Exact Computation (IPEC)*, LNCS 6478:95-106
3. **Cygan M.**, Kowalik Ł., Mucha M., Pilipczuk M., Sankowski P., 2010, **Fast approximation in subspaces by doubling metric decomposition**, *18<sup>th</sup> Annual European Symposium on Algorithms (ESA)*, LNCS 6346: 72-83
4. **Cygan M.**, Pilipczuk M., Pilipczuk M., Wojtaszczyk J.O., 2010, **Kernelization hardness of connectivity problems in  $d$ -degenerate graphs**, *36<sup>th</sup> International Workshop on Graph Theoretic Concepts in Computer Science (WG)*, LNCS 6410:147-158
5. **Cygan M.**, Pilipczuk M., Wojtaszczyk J. O., 2010, **Capacitated domination faster than  $O(2^n)$** , *12<sup>th</sup> Scandinavian Symposium and Workshops on Algorithm Theory (SWAT)*, LNCS 6139: 74-80
6. **Cygan M.**, Pilipczuk M., Wojtaszczyk J. O., 2010, **Irredundant set faster than  $O(2^n)$** , *Algorithms and Complexity, 7<sup>th</sup> International Conference (CIAC)*, LNCS 6078: 288-298
7. **Cygan M.**, Kowalik Ł., Luzar B., 2010, **A Planar Linear Arboricity Conjecture**, *Algorithms and Complexity, 7<sup>th</sup> International Conference (CIAC)*, LNCS 6078: 204–216
8. Crochemore M., **Cygan M.**, Iliopoulos C., Kubica M., Radoszewski J., Rytter W., Waleń T., 2010, **Algorithms for Three Versions of the Shortest Common Superstring Problem**, *Combinatorial Pattern Matching, 21<sup>st</sup> Annual Symposium (CPM)*, LNCS 6129: 299-309
9. **Cygan M.**, Pilipczuk M., 2009, **Exact and approximate Bandwidth**, *36<sup>th</sup> International Colloquium on Automata, Languages and Programming (ICALP)*, LNCS 5555: 304-315
10. **Cygan M.**, Pilipczuk M., 2008, **Faster exact Bandwidth**, *34<sup>th</sup> International Workshop on Graph Theoretic Concepts in Computer Science (WG)*, LNCS 5344: 101-109

## Artykuły popularnonaukowe

1. **Cygan M.**, 2009, **Algorytmy aproksymacyjne**, *Delta* 2009/07