

Lista publikacji

- październik 2011

I. Prace oryginalne (rozdziały w książkach zbiorowych, artykuły w czasopismach):

1. Cygan M., **Pilipczuk M.**, Wojtaszczyk J. O., 2011, ***Capacitated domination faster than $O(2^n)$*** , *Information Processing Letters* 111: 1099-1103.
2. Cygan M., Philip G., **Pilipczuk M.**, Wojtaszczyk J. O., 2011, ***Dominating set is fixed parameter tractable in claw-free graphs***, *Theoretical Computer Science* 412(50): 6982-7000.
3. Binkele-Raible D., Brankovic L., Cygan M., Fernau H., Kneis J., Kratsch D., Langer A., Liedloff M., **Pilipczuk M.**, Rossmanith P., Wojtaszczyk J. O., 2011, ***Breaking the 2^n -barrier for Irredundance: Two lines of attack***, *Journal of Discrete Algorithms* 9(3):214-230.
4. **Pilipczuk M.**, 2011, ***Characterization of compact subsets of curves with omega-continuous derivatives***, *Fundamenta Mathematicae* 211(2): 175-195.
5. Andova V., Bogoev S., Dimitrov D., **Pilipczuk M.**, Skrekovski R., 2011, ***On the Zagreb index inequality of graphs with prescribed vertex degrees***, *Discrete Applied Mathematics* 159: 852-858.
6. Cygan M., **Pilipczuk M.**, 2010, ***Exact and approximate Bandwidth***, *Theoretical Computer Science* 411:3701-3713.
7. Hofman P., **Pilipczuk M.**, 2008, ***A few new facts about the EKG sequence***, *Journal of Integer Sequences* 11: 08.4.2.
8. **Pilipczuk M.**, Wojtaszczyk J. O., 2008, ***Negative association property for absolute values of random variable equidistributed on generalized Orlicz balls***, *Positivity* 12: 421-474.

w druku:

9. Cygan M., **Pilipczuk M.**, Wojtaszczyk J. O., ***An improved FPT algorithm and a quadratic kernel for Pathwidth One Vertex Deletion***, *Algorithmica*.

II. Prace pokonferencyjne i doniesienia zjazdowe:

1. Cygan M., Nederlof J., **Pilipczuk M.**, van Rooij J. M. M., Wojtaszczyk J. O., 2011, ***Solving connectivity problems parameterized by treewidth in single exponential time***, 52nd Annual IEEE Symposium on Foundations of Computer Science (FOCS 2011), proceedings 150-159.
2. Cygan M., Marx D., **Pilipczuk M.**, Schlotter I., 2011, ***Parameterized Complexity of Eulerian Deletion Problems***, 37th International Workshop on Graph-Theoretic Concepts in Computer Science (WG 2011), *LNCS* 6986: 131-142.
3. Cygan M., **Pilipczuk M.**, Wojtaszczyk J. O., 2011, ***On Multiway Cut parameterized above lower bounds***, 6th International Symposium on Parameterized and Exact Computation (IPEC 2011), *LNCS* 7112: 1-12.

4. Cygan M., Lokshtanov D., **Pilipczuk M.**, Saurabh S., 2011, ***On cutwidth parameterized by vertex cover***, 6th International Symposium on Parameterized and Exact Computation (IPEC 2011), *LNCS* 7112: 246-258.
5. Cygan M., Lokshtanov D., **Pilipczuk M.**, Saurabh S., 2011, ***On the hardness of losing width***, 6th International Symposium on Parameterized and Exact Computation (IPEC 2011), *LNCS* 7112: 159-168.
6. Cygan M., Grandoni F., Leonardi S., Mucha M., **Pilipczuk M.**, Sankowski P., 2011, ***Approximation Algorithms for Union and Intersection Covering Problems***, IARCS Annual Conference on Foundations of Software Technology and Theoretical Computer Science (FSTTCS 2011), *LIPICs* 13: 28-40.
7. Cygan M., **Pilipczuk M.**, Wojtaszczyk J. O., 2011, ***Subset Feedback Vertex Set Is Fixed-Parameter Tractable***, Automata, Languages and Programming – 38th International Colloquium (ICALP 2011), *LNCS* 6755: 449-461.
8. Cygan M., **Pilipczuk M.**, Wojtaszczyk J. O., 2011, ***Scheduling Partially Ordered Jobs Faster Than 2^n*** , 19th Annual European Symposium on Algorithms (ESA 2011), *LNCS* 6942: 299-310.
9. Cygan 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 2011): 1666-1674.
10. Cygan M., Kowalik Ł., Mucha M., **Pilipczuk M.**, Sankowski P., 2010, ***Fast approximation in subspaces by doubling metric decomposition***, 18th Annual European Symposium on Algorithms (ESA 2010), *LNCS* 6346: 72-83.
11. Cygan M., **Pilipczuk M.**, Wojtaszczyk J. O., 2010, ***Kernelization hardness of connectivity problems in d -degenerate graphs***, 36th International Workshop on Graph Theoretic Concepts in Computer Science (WG 2010), *LNCS* 6410: 147-158.

III. Prace popularnonaukowe.

1. **Pilipczuk M.**, 2011, ***Ciąg EKG, czyli zaskakująca zabawa z teorią liczb***, *Delta* 05/2011.
2. Cygan M., **Pilipczuk M.**, 2011, ***Drzewo Steinera – jedno zagadnienie, mnóstwo problemów***, *Delta* 04/2011.
3. **Pilipczuk M.**, 2011, ***Skojarzenia w grafach kubicznych***, *Delta* 03/2011.
4. **Pilipczuk M.**, 2010, ***Pokrycie wierzchołkowe kontratakuje***, *Delta* 04/2010.
5. **Pilipczuk M.**, 2008, ***Nierówności na obrazkach***, *Delta* 06/2008.
6. **Pilipczuk M.**, 2007, ***Czarownica w nieskończonym lesie***, *Delta* 11/2007.