List of Publications

Nedialko Nenov

1. New upper bound for a class of vertex Folkman numbers. (with Kolev, N.), *Electron. J. Combin.* 13 (2006), #R14.

2. Folkman number $F_e(3,4;8)$ is equal to 16. (with Kolev, N.) *C. R. Acad. Bulg. Sci.* 59 (2006), n. 1, 25-30.

3. Improvement of graph theory Wei's inequality. *Mathematics and Education. Proc. Thirty Fifth Spring Conf. Union Bulg. Math.*, Borovets, 2006, 191-194.

4. New recurrent inequality on a class of vertex Folkman numbers. (with Kolev, N.) *Mathematics and Education. Proc. Thirty Fifth Spring Conf. Union Bulg. Math., Borovets*, 2006, 164-168.

5. *Extremal problems of graph colorings.* Dr. Sci. Thesis, Sofia Univ., Sofia, 2005.

6. An example of a 16-vertex Folkman (3, 4)-graph without 8-cliques. (with Kolev, N.) to appear in *Annuaire Univ. Sofia, Fac. Math. Inform.* 98 (2005).

7. On the 2-coloring diagonal vertex Folkman numbers with minimal possible clique number. (with Kolev, N.) to appear in *Annuaire Univ. Sofia, Fac. Math. Inform.* 98 (2005).

8. Balanced vertex sets in graphs. (with Khadzhiivanov, N.) *Annuaire Univ. Sofia Fac. Math. Inform.* 97 (2005), 81-96.

9. Turan's Theorem and maximal degrees. (with Khadzhiivanov, N.) *Annuaire Univ. Sofia Fac. Math. Inform.* 96 (2004), 173-174.

10. Sequences of maximal degree vertices in graphs. (with Khadzhiivanov, N.) *Serdica Math. J.* 30 (2004), 96-102.

11. Saturated β-sequences in graphs. (with Khadzhiivanov, N.) *C. R. Acad. Bulg. Sci.* 57 (2004), n. 6, 49-54.

12. Lower bounds for some Ramsey numbers. *Annuaire Univ. Sofia Fac. Math. Inform.* 96 (2004), 85-87.

13. Generalized Turan's graphs theorem. (with Khadzhiivanov, N.) *Annuaire Univ. Sofia Fac. Math. Inform.* 96 (2004), 69-73.

14. Generalized r-partite graphs and Turan's Theorem. (with Khadzhiivanov, N.) *C. R. Acad. Bulg. Sci.* 57 (2004), n. 2, 19-24.

15. Bounds on the vertex Folkman numbers $F(4,4;5)$. *Annuaire Univ. Sofia Fac. Math. Inform.* 96 (2004), 75-83.

16. On the triangle vertex Folkman numbers. *Discrete mathematics* 271 (2003), 327-334.

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18. Lower bound for a number of vertices of some vertex Folkman graphs, *C. R. Acad. Bulg. Sci.* 55 (2002), n. 4, 33-36.

19. Computation of the vertex Folkman numbers $F(2,2,2,4;6)$ and $F(2,3,4;6)$. (with Nedialkov, E.) *Electron. J. Combin.* 9 (2002), #R9.

20. On the vertex Folkman number $F(3,4)$. *C. R. Acad. Bulg. Sci.* 54 (2001), n. 2, 23-26.

21. On the 3-coloring vertex Folkman number $F(2,2,4)$. *Serdica Math. J.* 27 (2001), 131-136.

22. Computation of the vertex Folkman numbers $F(2,2,2,3;5)$ and $F(2,3,3;5)$. *Annuaire Univ. Sofia Fac. Math. Inform.* 95 (2001), 71-82.

23. Computation of the vertex Folkman number $F(4,4;6)$. (with Nedialkov, E.) *Proceedings of the Third Euro Workshop on Optimal Codes and related topics*, Sunny Beach, Bulgaria, 11-16 June 2001, 123-128.

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27. On the small graphs with chromatic number 5 without 4-cliques. *Discrete Math* 188 (1998), 297-298.

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31. Any 14-vertex graph with a unique triangle has no fewer than five 5-anticliques. (in Russian) (with Khadzhiivanov, N., Pashov, I.) *Serdica* 13 (1987), 199-209.

32. The minimum number of monochromatic 4-cliques for noncovering 2-colorings of the edges of a complete graph. (in Russian) (with Khadzhiivanov, N.) *Godishnik Vissh. Uchebn. Zaved. Prilozhna Mat.* 22 (1986), 137-149.

33. The minimum number of 5-anticliques of 14-vertex graphs with two 3-cliques is three. (in Russian) (with Khadzhiivanov, N., Pashov, I.) *Godishnik Vissh. Ped. Inst. Shuman Prirod.-Mat. Fak.* 1986 (1986), 23-37.

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35. Erratum: "Any Ramsey graph without 5-cliques has more than 11 vertices". (in Russian) (with Khadzhiivanov, N.) *Serdica* 12 (1986), 204-204.

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53. The minimal number of 5-anticliques in 14-vertex graphs without triangles. (in Russian) (with Khadzhiivanov, N.) *C. R. Acad. Bulg. Sci.* 36 (1983), 1155-1157.

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