Curriculum Vitae

Michael Krivelevich

Personal.
Born January 30, 1966, Kaliningrad, Russia. Married, 2 children.
Citizenship: Israeli.

Affiliation.
Full Professor, Department of Pure Mathematics, School of Mathematical Sciences
Dean, Sackler Faculty of Exact Sciences, Tel Aviv University, Tel Aviv 6997801, Israel.
E-mail address: krivelev@post.tau.ac.il
Phone (972)36405366, fax (972)36409357.

Education, degrees.
Ph.D. with distinction in Mathematics 1997, Tel Aviv University, Israel. Thesis title "Problems in Probabilistic Combinatorics", supervisor – Prof. Noga Alon.
M. Sc. in Applied Mathematics 1993, Technion – Israel Institute of Technology, Haifa, Israel. Final Grade 99. M. Sc. thesis "On the edge distribution in triangle-free graphs", supervisor – Prof. Ron Aharoni.
B. Sc. with distinction in Applied Mathematics and Computer Science 1988, Moscow Institute of Railway Engineers, Moscow, Russia.

Awards, prizes and honors.
1995–1997: Charles Clore Foundation Fellowship for PhD students.
2000: Bergmann Memorial Award, in conjunction with grant 99-013, USA–Israel Binational Science Foundation.
2007: Pazy Memorial Award, in conjunction with grant 2006322, USA–Israel Binational Science Foundation.
2014: Invited Speaker, Combinatorics Section, International Congress of Mathematicians Seoul, Korea.
2017: Fellow, American Mathematical Society.

Grants
2000–2003: USA-Israel Binational Science Foundation Grant 99-013 "Problems in random graphs and their algorithmic aspects" (joint with A. Frieze, Carnegie Mellon University, USA).
2001–2005: Israel Science Foundation Grant 64/01 "Graph and hypergraph coloring problems and their algorithmic aspects" (joint with N. Alon, Tel Aviv University, Israel).
2003–2007: USA-Israel Binational Science Foundation Grant 2002-133 "Models of random graphs" (joint with A. Frieze, Carnegie Mellon University, USA).
2005–2008: Israel Science Foundation Grant 526/05 "Problems in extremal and probabilistic combinatorics"

2005–2007: French-Israeli Cooperation grant "Mathematical methods in coding theory and cryptography" (joint with G. Cohen, ENST, Paris, France).
2007–2011: USA-Israel Binational Science Foundation Grant 2006322 "Probabilistic reasoning in combinatorics" (joint with A. Frieze, Carnegie Mellon University, USA).
2008–2012: Israel Science Foundation Grant 1063/08 "Probabilistic combinatorics and positional games".
2011–2015: USA-Israel Binational Science Foundation Grant 2010115 "Random structures and algorithms" (joint with A. Frieze and P.-S. Loh, Carnegie Mellon University, USA).
2012–2016: Israel Science Foundation Grant 912/12 "Extremal problems for random and pseudorandom graphs and hypergraphs".
2015–2019: USA-Israel Binational Science Foundation Grant 2014361 "Percolation on expanders: towards a unified theory" (joint with E. Lubetzky, New York University, USA).
2017–2021: Israel Science Foundation Grant 1261/17 "Research in random graphs".

Academic and Professional experience.
October 2015 –: Dean, Faculty of Exact Sciences, Tel Aviv University.
October 2007– September 2009: Head, School of Mathematical Sciences, Tel Aviv University, Israel.
November 2005–present: Full Professor of Mathematics, Department of Pure Mathematics, School of Mathematical Sciences, Tel Aviv University, Israel.
February 2002–October 2005: Associate Professor with tenure, Department of Pure Mathematics, School of Mathematical Sciences, Tel Aviv University, Israel.
October 1999–January 2002: Senior Lecturer, Department of Pure Mathematics, School of Mathematical Sciences, Tel Aviv University, Israel.
1998–1999: Postdoctoral Fellow, Center for Discrete Mathematics and Theoretical Computer Science (DIMACS), Rutgers University, Piscataway, NJ, USA.
1997–1998: Member, School of Mathematics, Institute for Advanced Study, Princeton, NJ, USA.
1994–1997: Teaching Assistant, School of Mathematical Sciences, Tel-Aviv University, Israel.
1991–1994: Teaching Assistant, Department of Mathematics, Technion, Israel.
1988–1990: Programmer, Scientific Institute of Railway Transport, Moscow, Russia.

Long term visits
February - May 2010: Institute of Theoretical Computer Science, Swiss Federal Institute of Technology Zurich, Switzerland.

Students supervised
Ph.D. students: Tali Kaufman (2005), Dan Hefetz (2007), Dan Vilenchik (2008), Ido Ben-Eliezer (2011), Salomon Sonny Ben-Shimon (2011), Simha Haber (2011) , Asaf Ferber (2013), Alon Naor, Gal Kronenberg, Peleg Michaeli.
M.Sc. students: Asaf Nachmias (2004), Alex Schneidman (2004), Simha Haber (2004), Salomon Sonny Ben-Shimon (2005), Nurit Gazit (2006), Ido Ben-Eliezer (2007), Zef Segal (2008), Ohad Feldheim (2008), Alon Naor (2012), Gal Kronenberg (2015), Oren Dean (2016), Peleg Michaeli (2016),

Adva Mond, Nadav Trumer, Limor Friedman, Yahav Alon.

Other professional activities

Editor-in-Chief: Journal of Combinatorial Theory Series B.

Editorial board: European Journal of Combinatorics, Random Structures and Algorithms, Journal of Combinatorics and Number Theory, Geometric and Functional Analysis, Electronic Journal of Combinatorics.

Guest Editor, Special Issue on Extremal and Probabilistic Combinatorics (Vol. 27, no. 8), European Journal of Combinatorics.

Conference organization:

Co-organizer, Workshop on Extremal and Probabilistic Combinatorics, Clay Institute, Oxford, United Kingdom, June 2014.

Member of the Local Organizing Committee, 2^{nd} Joint International Meeting of the Israel Mathematical Union and the American Mathematical Society, Ramat Gan - Tel Aviv, Israel, June 2014.

Co-organizer, Joint Free University of Berlin - Tel Aviv University workshop on Positional Games and Extremal Combinatorics, Tel Aviv, Israel, March 2015.

Co-organizer, Workshop on Methods and Challenges in Extremal and Probabilistic Combinatorics, Banff International Research Station (BIRS), Banff, Canada, August 2015.

Co-organizer, Joint Free University of Berlin - Tel Aviv University workshop on Positional Games and Extremal Combinatorics, Berlin, Germany, February 2016.

Co-organizer, Workshop "Combinatorics and Probability", Mathematisches Forschungsinstitut, Oberwolfach, Germany, April 2016.

Recent talks at seminars and conferences.

2014

Workshop on Combinatorics, Mathematisches Forschungsinstitut, Oberwolfach, Germany.

Seminar, Program on Graphs, Hypergraphs and Computing, Institut Mittag-Leffler, Djursholm, Sweden.

Joint Combinatorics – Theoretical Computer Science Seminar, Royal Institute of Technology (KTH), Stockholm, Sweden.

Combinatorics Section (invited speaker), International Congress of Mathematicians, Seoul, Korea.

Workshop "Probabilistic and Extremal Combinatorics", Institute of Mathematics and its Applications (IMA), University of Minnesota, Minneapolis, USA.

Mittagsseminar, Institute of Theoretical Computer Science, Swiss Federal Institute of Technology (ETH), Zurich, Switzerland.

Mathematics Colloquium, Tel Aviv University, Israel.

Horowitz Seminar on Probability, Ergodics and Dynamical Systems, Tel Aviv University, Israel.

2015

Combinatorics and Probability Seminar, Yale University, USA.

Colloquium, Ryerson University, Toronto, Canada.

Joint Free University of Berlin - Tel Aviv University workshop on Positional Games and Extremal Combinatorics, Tel Aviv, Israel.
Combinatorics Seminar, Hebrew University.
Combinatorics Section, Annual Meeting of the Israel Mathematical Union, Dead Sea, Israel.
"Combinatorial Probability", Conference in honor of Svante Janson's 60th birthday, Krusenberg, Sweden.
Novi Sad Workshop on Foundations of Computer Science (NSFOCS), Novi Sad, Serbia.
17^{th} International Conference on Random Structures and Algorithms (RSA'2015), Pittsburgh, USA.
LMS-EMS Joint Mathematical Weekend, Birmingham, UK.
Workshop on Extremal and Probabilistic Combinatorics, Birmingham, UK.
Colloquium, Institute of Mathematics, Hebrew University, Jerusalem, Israel.

2016

Joint Free University of Berlin - Tel Aviv University workshop on Positional Games and Extremal Combinatorics, Tel Aviv, Israel.
Workshop "Probabilistic and Extremal Combinatorics", Institute for Mathematical Research (FIM), Swiss Federal Institute of Technology (ETH), Zurich, Switzerland.
Workshop "Probabilistic and Extremal Combinatorics Downunder", Monash University, Clayton, Australia.
CohenFest 2016 (conference in honour of Gerard Cohen's 64^{th} birthday), Telecom ParisTech, Paris, France.
Hungarian-Israeli Combinatorial Days, Technion, Haifa, Israel.
Combinatorics Seminar, Tel Aviv University, Israel.

2017

Gregory Gutin's 60th burthday conference, Royal Holloway University of London, London, UK.
Workshop "Extractors and expanders", Simons Institute for the Theory of Computing, Berkeley, USA.
Workshop "Structure vs. randomness", Simons Institute for the Theory of Computing, Berkeley, USA.
Workshop "Recent advances in extremal combinatorics", Tsinghua Sanya International Mathematical Forum, Sanya, China.
Ilan Newman's 60 Fest, University of Haifa, Haifa, Israel.
Novi Sad Workshop on Foundations of Computer Science (NSFOCS), Novi Sad, Serbia.
Combinatorics and Optimization Seminar, Graz University of Technology, Graz, Austria.

Research interests.

Probabilistic Combinatorics, Hypergraphs, Ramsey Theory, Extremal Graph Theory, Positional Games, Theoretical Computer Science.

List of Publications.

Books

1. D. Hefetz, M. Krivelevich, M. Stojaković and T. Szabó, **Positional Games**, Birkhäuser 2014, 146pp.

2. M. Krivelevich, K. Panagiotou, M. Penrose and C. McDiarmid, **Random Graphs, Geometry and Asymptotic Structure**, London Mathematical Socicety Students Texts 84, edited by N. Fountoulakis and D. Hefetz, Cambridge University Press 2016, 122pp.

Papers

1. M. Krivelevich, *K^s-free graphs without large K^r-free subgraphs*, Combinatorics, Probability and Computing 3 (1994), 349–354.

2. M. Krivelevich, *On a conjecture of Tuza about packing and covering of triangles*, Discrete Mathematics 142 (1995), 281–286.

3. M. Krivelevich, *On the edge distribution in triangle-free graphs*, Journal of Combinatorial Theory, Ser. B 63 (1995), 245–260.

4. M. Krivelevich, *Bounding Ramsey numbers through large deviation inequalities*, Random Structures and Algorithms 7 (1995), 145–155.

5. R. Aharoni, R. Holzman and M. Krivelevich, *On a theorem of Lovász on covers in r-partite hypergraphs*, Combinatorica 16 (1996), 149–174.

6. N. Alon, P. Erdős, R. Holzman and M. Krivelevich, *On k-saturated graphs with restrictions on the degrees*, Journal of Graph Theory 23 (1996), 1–20.

7. M. Krivelevich, *Perfect fractional matchings in random hypergraphs*, Random Structures and Algorithms 9 (1996), 317–334.

8. M. Krivelevich, *Almost perfect matchings in random uniform hypergraphs*, Discrete Mathematics 170 (1997), 259–263.

9. N. Alon, M. Krivelevich and B. Sudakov, *Subgraphs with a large cochromatic number*, Journal of Graph Theory 26 (1997), 295–297.

10. M. Krivelevich, *Triangle factors in random graphs*, Combinatorics, Probability and Computing 6 (1997), 337–347.

11. N. Alon and M. Krivelevich, *Constructive bounds for a Ramsey-type problem*, Graphs and Combinatorics 13 (1997), 217–225.

12. M. Krivelevich, *Approximate set covering in uniform hypergraphs*, J. Algorithms 25 (1997), 118–143.

13. N. Alon and M. Krivelevich, *The concentration of the chromatic number of random graphs*, Combinatorica 17 (1997), 303–313.

14. M. Krivelevich, *On the minimal number of edges in color-critical graphs*, Combinatorica 17 (1997), 401–426.

15. M. Krivelevich, *An improved bound on the minimal number of edges in color-critical graphs*, Electronic J. Combinatorics, Volume 5(1) (1998), paper R4.

16. N. Alon, M. Krivelevich and B. Sudakov, *Finding a large hidden clique in a random graph*, Proceedings of the 9^{th} Symposium on Discrete Algorithms (SODA'98), 594–598. Also: Random Structures and Algorithms, 13 (1998), 457–466.

17. M. Krivelevich, *A lower bound for irredundant Ramsey numbers*, Discrete Mathematics 183 (1998), 185–192.

18. M. Krivelevich and B. Sudakov, *The chromatic numbers of random hypergraphs*, Random Structures and Algorithms 12 (1998), 381–403.

19. M. Krivelevich and B. Sudakov, *Coloring random graphs*, Information Processing Letters 67 (1998), 71–74.

20. M. Krivelevich and B. Sudakov, *Approximate coloring of uniform hypergraphs*, Proceedings of the 6^{th} Annual European Symposium on Algorithms (ESA'98), Lecture Notes in Computer Science 1461, 477–489. Also: Journal of Algorithms 49 (2003), 2–12.

21. N. Alon and M. Krivelevich, *The choice number of random bipartite graphs*, Annals of Combinatorics 2 (1998), 291–297.

22. N. Alon, M. Krivelevich and B. Sudakov, *Coloring graphs with sparse neighborhoods*, Journal of Combinatorial Theory Ser. B 77 (1999), 73–82.

23. N. Alon, E. Fischer, M. Krivelevich and M. Szegedy, *Efficient testing of large graphs*, Proceedings of the 40^{th} Symposium on Foundations of Computer Science (FOCS'99), IEEE Press 1999, 656–666. Also: Combinatorica 20 (2000), 451–476.

24. N. Alon, M. Krivelevich, I. Newman and M. Szegedy, *Regular languages are testable with a constant number of queries*, Proceedings of the 40^{th} Symposium on Foundations of Computer Science (FOCS'99), IEEE Press 1999, 645–655. Also: SIAM Journal on Computing 30 (2001), 1842–1862.

25. N. Alon, M. Krivelevich and B. Sudakov, *List coloring of random and pseudo-random graphs*, Combinatorica 19 (1999), 453–472.

26. M. Krivelevich, *The choice number of dense random graphs*, Combinatorics, Probability and Computing 9 (2000), 19–26.

27. M. Krivelevich and V. H. Vu, *Approximating the independence number and the chromatic number in expected polynomial time*, 27^{th} International Colloquium on Automata, Languages and Programming (ICALP'2000), Lecture Notes in Computer Science 1853, 13–24. Also: Journal of Combinatorial Optimization 6 (2002), 143-155.

28. N. Alon, H. Kaplan, M. Krivelevich, D. Malkhi and J. Stern, *Scalable secure storage when half the system is faulty*, 27^{th} International Colloquium on Automata, Languages and Programming (ICALP'2000), Lecture Notes in Computer Science 1853, 576–587. Also: Information and Computation 174 (2002), 203-213.

29. D. Achlioptas, J. H. Kim, M. Krivelevich and P. Tetali, *Two-coloring random hypergraphs*, 4^{th} International Workshop on Randomization and Approximation Techniques in Computer Science (RANDOM'2000), ICALP Workshops 2000, Proceedings in Informatics 8, Carleton Scientific, 85–96. Also: Random Structures and Algorithms 20 (2002), 249–259.

30. E. Friedgut and M. Krivelevich, *Sharp thresholds for certain Ramsey properties of random graphs*, Random Structures and Algorithms 17 (2000), 1–19.

31. N. Alon, M. Krivelevich and P. Seymour, *Long cycles in critical graphs*, Journal of Graph Theory 35 (2000), 193–196.

32. M. Krivelevich, R. Nathaniel and B. Sudakov, *Approximating coloring and maximum independent set in 3-uniform hypergraphs*, Proceedings of the 12^{th} Symposium on Discrete Algorithms (SODA'2001), 327–328. Also: Journal of Algorithms 41 (2001), 99–113.

33. A. Goerdt and M. Krivelevich, *Efficient recognition of random unsatisfiable k-SAT instances by spectral methods*, Proceedings of the 18^{th} International Symposium on Theoretical Aspects of Computer Science (STACS'2001), Lecture Notes in Computer Science 2010, 294–304.

34. M. Krivelevich, B. Sudakov, V. H. Vu and N. Wormald, *Random regular graphs of high degree*, Random Structures and Algorithms 18 (2001), 346–363.

35. M. Krivelevich and V. H. Vu, *Choosability in random hypergraphs*, Journal of Combinatorial Theory Ser. B 83 (2001), 241–257.

36. M. Krivelevich, *Deciding k-colorability in expected polynomial time*, Information Processing Letters 81 (2002), 1–6.

37. N. Alon and M. Krivelevich, *Testing k-colorability*, SIAM Journal on Discrete Mathematics 15 (2002), 211–227.

38. R. Aharoni, R. Holzman, M. Krivelevich and R. Meshulam, *Fractional planks*, Discrete and Computational Geometry 27 (2002), 587–602.

39. M. Krivelevich, *Sparse graphs usually have exponentially many optimal colorings*, Electronic Journal of Combinatorics 9 (2002), publ. R27, 8pp.

40. N. Alon, G. Cohen, M. Krivelevich and S. Litsyn, *Generalized hashing and applications to digital fingerprinting*, Proceedings of the IEEE International Symposium on Information Theory (ISIT) 2002, Lausanne, Switzerland, p. 436. Also: Journal of Combinatorial Theory Series A 104 (2003), 207–215.

41. D. Burshtein, M. Krivelevich, S. Litsyn and G. Miller, *Upper bounds on the rate of LDPC codes*, IEEE Transactions on Information Theory 48 (2002), 2437–2449.

42. M. Krivelevich, *Coloring random graphs – an algorithmic perspective*, Proceedings of the 2^{nd} Colloquium on Mathematics and Computer Science: Algorithms, Trees, Combinatorics and Probability (MathInfo'2002), B. Chauvin et al. Eds., Birkhäuser, Basel 2002, 175–195.

43. A. Frieze and M. Krivelevich, *Hamilton cycles in random subgraphs of pseudo-random graphs*, Discrete Mathematics 256 (2002), 137–150.

44. M. Krivelevich, B. Sudakov and V. H. Vu, *A sharp threshold for network reliability*, Combinatorics, Probability and Computing 11 (2002), 465–474.

45. N. Alon, M. Krivelevich and V. H. Vu, *On the concentration of eigenvalues of random symmetric matrices*, Israel Journal of Mathematics 131 (2002), 259–267.

46. M. Krivelevich, B. Sudakov, V. H. Vu and N. Wormald, *On the probability of independent sets in random graphs*, Random Structures and Algorithms 22 (2003), 1–14.

47. M. Krivelevich and B. Sudakov, *Sparse pseudo-random graphs are Hamiltonian*, Journal of Graph Theory 42 (2003), 17–33.

48. M. Krivelevich and B. Sudakov, *The largest eigenvalue of sparse random graphs*, Combinatorics, Probability and Computing 12 (2003), 61–72.

49. G. Cohen, M. Krivelevich and S. Litsyn, *Bounds on distance distributions in codes of given size*, Chapter 4 of "Communications, Information and Network Security", V. Bhargava et al, Eds, Kluwer 2003, pp. 33-41.

50. N. Alon, M. Krivelevich and B. Sudakov, *Induced subgraphs of prescribed size*, Journal of Graph Theory 43 (2003), 239–251.

51. N. Alon, B. Bollobás, M. Krivelevich and B. Sudakov, *Maximum cuts and judicious partitions in graphs without short cycles*, Journal of Combinatorial Theory Series B 88 (2003), 329–346.

52. M. Krivelevich, B. Sudakov and V. H. Vu, *Covering codes with improved density*, IEEE Transactions on Information Theory 49 (2003), 1812–1815.

53. T. Kaufman, M. Krivelevich and D. Ron, *Tight bounds for testing bipartiteness in general graphs*, Proceedings of the 7^{th} International Workshop on Randomization and Approximation Techniques in Computer Science (RANDOM'2003), Lecture Notes in Computer Science 2764, 341–353. Also: SIAM Journal on Computing 33 (2004), 1441–1483.

54. N. Alon, T. Kaufman, M. Krivelevich, S. Litsyn and D. Ron, *Testing low-degree polynomials over $GF(2)$*, Proceedings of the 7^{th} International Workshop on Randomization and Approximation Techniques in Computer Science (RANDOM'2003), Lecture Notes in Computer Science 2764, 188–199. Journal version: *Testing Reed-Miller codes*, IEEE Transactions on Information Theory 51 (2005), 4032–4039.

55. N. Alon, M. Krivelevich and B. Sudakov, *Turán numbers of bipartite graphs and related Ramsey-type questions*, Combinatorics, Probability and Computing 12 (2003), 477-494.

56. A. Frieze, M. Krivelevich and R. Martin, *The emergence of a giant component in random subgraphs of pseudo-random graphs*, Random Structures and Algorithms 24 (2004), 42–50.

57. N. Alon, G. Gutin and M. Krivelevich, *Algorithms with large domination ratio*, Journal of Algorithms 50 (2004), 118–131.

58. T. Bohman, A. Frieze, M. Krivelevich and R. Martin, *Adding random edges to dense graphs*, Random Structures and Algorithms 24 (2004), 105–117.

59. M. Krivelevich, S. Litsyn and A. Vardy, *A lower bound on the density of sphere packings via graph theory*, International Mathematics Research Notices 43 (2004), 2271–2279.

60. M. Krivelevich, B. Sudakov and T. Szabó, *Triangle factors in pseudo-random graphs*, Combinatorica 24 (2004), 403–426.

61. M. Krivelevich and A. Nachmias, *Colouring powers of cycles from random lists*, European Journal of Combinatorics 25 (2004), 961–968.

62. A. Ashikhmin, G. Cohen, M. Krivelevich and S. Litsyn, *Bounds on distance distributions in codes of known size*, IEEE Transactions on Information Theory 51 (2005), 250–258.

63. A. Flaxman, A. Frieze and M. Krivelevich, *On the random 2-stage minimum spanning tree*, Proceedings of the 16^{th} Symposium on Discrete Algorithms (SODA'05), 919–926. Also: Random Structures and Algorithms 28 (2006), 24–36.

64. M. Krivelevich, Z. Nutov and R. Yuster, *Approximation algorithms for cycle packing problems*, Proceedings of the 16^{th} Symposium on Discrete Algorithms (SODA'05), 556-561.

65. A. Frieze and M. Krivelevich, *On packing Hamilton cycles in ϵ-regular graphs*, Journal of Combinatorial Theory Series B 94 (2005), 159–172.

66. N. Alon, M. Krivelevich, J. Spencer and T. Szabó, *Discrepancy games*, Electronic Journal of Combinatorics, Volume 12 (1) (2005), publ. R51.

67. J. Friedman, A. Goerdt and M. Krivelevich, *Recognizing more unsatisfiable random k-SAT instances efficiently*, SIAM Journal on Computing 35 (2005), 408–430.

68. N. Alon, M. Krivelevich and B. Sudakov, *MaxCut in H-free graphs*, Combinatorics, Probability and Computing 14 (2005), 629–647.

69. A. Frieze, M. Krivelevich, O. Pikhurko and T. Szabó, *The game of JumbleG*, Combinatorics, Probability and Computing 14 (2005), 783–793.

70. A. Frieze, M. Krivelevich and B. Sudakov, *The strong chromatic index of random graphs*, SIAM Journal on Discrete Mathematics 19 (2005), 719–727.

71. N. Alon, T. Kaufman, M. Krivelevich and D. Ron, *Testing triangle-freeness in general graphs*, Proceedings of the 17^{th} Symposium on Discrete Algorithms (SODA'06), 279–288. Journal version: SIAM Journal on Discrete Mathematics 22 (2008), 786–819.

72. M. Krivelevich and D. Vilenchik, *Solving random satisfiable 3CNF formulas in expected polynomial time*, Proceedings of the 17^{th} Symposium on Discrete Algorithms (SODA'06), 454–463.

73. M. Krivelevich and D. Vilenchik, *Semirandom models as benchmarks for coloring algorithms*, Proceedings of the 3^{rd} Workshop on Analytic Algorithmics and Combinatorics (ANALCO'06), 211–221.

74. N. Gazit and M. Krivelevich, *On the asymptotic value of the choice number of complete multipartite graphs*, Journal of Graph Theory 52 (2006), 123–134.

75. M. Krivelevich and B. Sudakov, *Pseudo-random graphs*, In: More sets, graphs and numbers, E. Győri, G. O. H. Katona, L. Lovász, Eds., Bolyai Soc. Math. Studies Vol. 15, 199–262.

76. A. Frieze and M. Krivelevich, *Almost universal graphs*, Random Structures and Algorithms 28 (2006), 499–510.

77. M. Krivelevich, B. Sudakov and P. Tetali, *On smoothed analysis in dense graphs and formulas*, Random Structures and Algorithms 29 (2006), 180–193.

78. M. Krivelevich and A. Nachmias, *Colouring complete bipartite graphs from random lists*, Random Structures and Algorithms 29 (2006), 436–449.

79. A. Coja-Oghlan, M. Krivelevich and D. Vilenchik, *Why almost all k-colorable graphs are easy*, Proceedings of the 24^{th} International Symposium on Theoretical Aspects of Computer Science (STACS'2007), Lecture Notes in Computer Science 4393, 121–132. Journal version: Theory of Computing Systems 46 (2010), 523–565.

80. D. Hefetz, M. Krivelevich and T. Szabó, *Bart-Moe games, JumbleG and discrepancy*, European Journal of Combinatorics 28 (2007), 1131–1143.

81. S. Haber and M. Krivelevich, *On fractional K-factors of random graphs*, Random Structures and Algorithms 30 (2007), 441–463.

82. D. Hefetz, M. Krivelevich and T. Szabó, *Avoider-Enforcer games*, Journal of Combinatorial Theory Series A 114 (2007), 840–853.

83. A. Frieze, M. Krivelevich and C. Smyth, *On the chromatic number of random graphs with a fixed degree sequence*, Combinatorics, Probability and Computing 16 (2007), 733–746.

84. N. Alon, F. Fomin, G. Gutin, M. Krivelevich and S. Saurabh, *Parametrized algorithms for directed maximum leaf problems*, 34^{th} International Colloquium on Automata, Languages and Programming (ICALP'2007), Lecture Notes in Computer Science 4596, 352-362.

85. M. Krivelevich, Z. Nutov, M. Salavatipour, J. Verstraete and R. Yuster, *Approximation algorithms and hardness results for cycle packing problems*, ACM Transactions on Algorithms, Volume 3 (2007), Article 48.

86. N. Alon, F. Fomin, G. Gutin, M. Krivelevich and S. Saurabh, *Better algorithms and bounds for directed maximum leaf problems*, Proceedings of the Annual Conference on Foundations of Software Technology and Theoretical Computer Science (FSTTCS'2007), Lecture Notes in Computer Science 4855, 316–327. Journal version: Spanning directed trees with many leaves, SIAM Journal on Discrete Mathematics 23 (2009), 466–476.

87. A. Coja-Oghlan, M. Krivelevich and D. Vilenchik, *Why almost all k-CNF formulas are easy*, 2007 International Conference on Analysis of Algorithms (AOFA'2007), Discrete Mathematics and Theoretical Computer Science (DMTCS) AH, 2007, 89–102.

88. N. Alon, M. Krivelevich and B. Sudakov, *Embedding nearly spanning bounded degree trees*, Combinatorica 27 (2007), 629–644.

89. I. Benjamini, S. Haber, M. Krivelevich and E. Lubetzky, *The isoperimetric constant of the random graph process*, Random Structures and Algorithms 32 (2008), 101–114.

90. I. Ben-Eliezer, T. Kaufman, M. Krivelevich and D. Ron, *Comparing the strength of query types in property testing: the case of testing k-colorability*, Proceedings of the 19^{th} Symposium on Discrete Algorithms (SODA'08), 1213–1222. Journal version: Journal of Computational Complexity 22 (2013), 89–135.

91. D. Hefetz, M. Krivelevich, M. Stojaković and T. Szabó, *Planarity, colorability and minor games*, SIAM Journal on Discrete Mathematics 22 (2008), 194–212.

92. A. Frieze and M. Krivelevich, *On rainbow trees and cycles*, Electronic Journal of Combinatorics, Volume 15 (1) (2008), publication R59.

93. M. Krivelevich and T. Szabó, *Biased positional games and small hypergraphs with large covers*, Electronic Journal of Combinatorics, Volume 15 (1) (2008), publication R70.

94. A. Frieze and M. Krivelevich, *On two Hamilton cycle problems in random graphs*, Israel Journal of Mathematics 166 (2008), 221-234.

95. N. Alon, I. Ben-Eliezer and M. Krivelevich, *Small sample spaces cannot fool low degree polynomials*, Proceedings of the 12^{th} International Workshop on Randomized Techniques in Computation (RANDOM'2008), Lecture Notes in Computer Science 5171 (2008), 266–275.

96. N. Alon, M. Krivelevich and B. Sudakov, *Large nearly regular induced subgraphs*, SIAM Journal on Discrete Mathematics 22 (2008), 1325–1337.

97. O. Feldheim and M. Krivelevich, *Winning fast in sparse graph construction games*, Combinatorics, Probability and Computing 17 (2008), 781–791.

98. N. Alon and M. Krivelevich, *Extremal and probabilistic combinatorics*, Princeton Companion to Mathematics, W. T. Gowers, Ed., Princeton University Press, 2008, pp. 562–575.

99. D. Hefetz, M. Krivelevich, M. Stojaković and T. Szabó, *A sharp threshold for the Hamilton cycle Maker-Breaker game*, Random Structures and Algorithms 34 (2009), 112–122.

100. M. Krivelevich, P.-S. Loh and B. Sudakov, *Avoiding small subgraphs in Achlioptas processes*, Random Structures and Algorithms 34 (2009), 165–195.

101. D. Hefetz, M. Krivelevich, M. Stojaković and T. Szabó, *Fast winning strategies in Maker-Breaker games*, Journal of Combinatorial Theory Series B 99 (2009), 39–47.

102. S. Ben-Shimon and M. Krivelevich, *Vertex percolation in expander graphs*, European Journal of Combinatorics 30 (2009), 39–47.

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