

Full list of publications by Professor Alexander Bulinski

1. Bulinski, A.V. (1975): Bounds for mixed cumulants and higher-order covariances of bounded random variables. *Theory of Probability and its Applications* **19**, 835–839.
2. Bulinski, A.V. and Zhurbenko, I.G. (1976): The central limit theorem for random fields. *Soviet Mathematics – Doklady* **17**, 14–17.
3. Bulinski, A.V. and Zhurbenko, I.G. (1977): A central limit theorem for additive random functions. *Theory of Probability and its Applications* **21**, 687–697.
4. Bulinski, A.V. (1977): On a central limit theorem for ranfom fields. *Proceedings of the 2d International Vilnius conference on Probability Theory and Mathematical Statistics*, Vilnius, Lithuania, June 1977, **1**, 69–70 (in Russian).
5. Bulinski, A.V. (1977): Some Limit Theorems for Mixing Random Processes and Fields. PhD thesis. Moscow, MSU. 106 pp. (in Russian)
6. Bulinski, A.V. (1977): Some limit theorems for mixing random processes and fields. Abstract of PhD thesis. Moscow, MSU. 14 pp. (in Russian)
7. Bulinski, A.V. (1978): On normalization in the law of the iterated logarithm. *Theory of Probability and its Applications* **22**, 398–399.
8. Bulinski, A.V. (1978): On the speed of convergence in the central limit theorem for additive random functions. *Soviet Mathematics – Doklady* **18**, 1009–1013.
9. Bulinski, A.V. (1978): On the functional law of the iterated logarithm. *Soviet Mathematics – Doklady* **19**, 141–143.
10. Bulinski, A.V. and Kolmogorov, A.N. (1979): Linear sampling estimations of sums. *Theory of Probability and its Applications* **24**, 241–251.
11. Bulinski, A.V. (1979): The central limit theorem for random fields with strong and weak dependence. *Soviet Mathematics – Doklady* **20**, 929–931.
12. Bulinski, A.V. (1980): Linear estimators of sums of random variables. *Soviet Mathematics – Doklady* **22**, 741–745.
13. Bulinski, A.V. (1981): A new variant of the functional law of the iterated logarithm. *Theory of Probability and its Applications* **25**, 493–503.
14. Bulinski, A.V. (1981): Limit Theorems for Random Processes and Fields. Moscow. MSU Press. 64pp. (in Russian)
15. Bulinski, A.V. (1981): The integral criterion and the functional law of the iterated logarithm. In: *Some Problems of Mathematics and Mechanics* (Moscow: MSU Press), 57–58 (in Russian).
16. Bulinski, A.V. (1981): Some generalizations of the functional law of the iterated logarithm. *Proceedings of the 3d International Vilnius conference on Probability Theory and Mathematical Statistics*, Vilnius, Lithuania, June 1981, **3**, 47–48.

- 17.** Bulinski, A.V. and Kolmogorov, A.N. (1981): On the estimate of the clouds impact efficiency. Proceedings of the Institute of Applied Geophysics, **46**, 69–72 (in Russian).
- 18.** Bulinski, A.V. and Kolmogorov, A.N. (1981): On the sample estimates of sums of random variables. Proceedings of the Institute of Applied Geophysics, **46**, 73–77 (in Russian).
- 19.** Bulinski, A.V. (1982): On the rate of convergence in the functional law of the iterated logarithm. Soviet Mathematics – Doklady **25**, 322–324.
- 20.** Bulinski, A.V. (1982): On a form of the invariance principle. Soviet Mathematics – Doklady **26**, 519–523.
- 21.** Bulinski, A.V. (1982): On sampling estimators of sums of random variables. Proceedings of the IV USSR-Japan Symposium on Probability Theory and Mathematical Statistics, Tbilisi, USSR, August 1982, **1**, 152–153.
- 22.** Bulinski, A.V. and Shipilov O.I. (1983): On the Mann-Whitney statistic in an experiment with randomization. Soviet Mathematics – Doklady **27**, 406–409.
- 23.** Bulinski, A.V. (1983): Inequalities for absolute moments of sums and their applications. In: Some Problems of Mathematics and Mechanics (Moscow: MSU Press), 55–56 (in Russian).
- 24.** Bulinski, A.V. (1984): On a class of optimal estimators of sums of random variables. Theory of Probability and its Applications **28**, 419–425.
- 25.** Bulinski, A.V. and Kolmogorov, A.N. (1984): On optimal statistical inferences in the experiments with randomization. Proceedings of the USSR seminar-meeting "Planning and Estimation of Efficiency of Works on Artificial Increase of Precipitation", Moscow, USSR, June 1984, 17–18 (in Russian).
- 26.** Bulinski, A.V. (1984): On measure of dependence close to the maximal correlation coefficient. Soviet Mathematics – Doklady **30**, 249–252.
- 27.** Bulinski, A.V. (1984): On estimates of sums of random variables and on the invariance principle. In: Functional Analysis and its Applications to Mechanics and Probability Theory (Moscow, MSU Press), 120–122 (in Russian).
- 28.** Bulinski, A.V. (1985): Analogs of the Mann-Whitney statistic in an experiment with symmetric randomization. Theory of Probability and its Applications **29**, 795–798.
- 29.** Bulinski, A.V. and Tarasevich-Nikolaev K.K. (1985): Description of the events systems dependence by means of new mixing coefficients. In: Theory of Probability, Theory of Stochastic Processes and Functional Analysis (Moscow, MSU Press), 9–12 (in Russian).
- 30.** Bulinski, A.V. (1985): Asymptotic normality of random fields with mixing. Soviet Mathematics – Doklady **32**, 523–527.
- 31.** Bulinski, A.V. (1985): The problem of optimal statistical inferences in systems employing the randomization procedure. In: Methodology for Systems Research (Moscow, The All-Union Institute for System Research Press), 40–41 (in Russian).

- 32.** Bulinski, A.V. (1986): On mixing conditions for random fields. Theory of Probability and its Applications **30**, 207–208.
- 33.** Bulinski, A.V. (1986): Variance growth bounds for additive random functions. In: Theory of Functions and its Applications (Moscow, MSU Press), 109–111 (in Russian).
- 34.** Bulinski, A.V. (1986): Study of characteristic functions of sums of dependent random variables. Proceedings of the USSR seminar "Modern Problems of Complex Analysis", Tashkent, USSR, September 1986, 19–20 (in Russian).
- 35.** Bulinski, A.V. (1986): Statistical analysis of the clouds impact efficiency employing additional information on precipitation. Proceedings of the 3d USSR seminar-meeting "Planning and Estimation of Efficiency of Works on Artificial Increase of Precipitation", Tbilisi, USSR, June 1986, 20–21 (in Russian).
- 36.** Bulinski, A.V. (1986): Central limit theorem and invariance principle for mixing random fields. Proceedings of the 1st International congress of the Bernoulli Statistical Society, Tashkent, USSR, September 1986, **1**, 105–107.
- 37.** Bulinski, A.V. (1987): An estimate of the rate of convergence in the central limit theorem for random fields. Soviet Mathematics – Doklady **34**, 416–419.
- 38.** Bulinski, A.V. and Verdenskaya, N.V (1987): An estimate of the convergence rate in the functional law of the iterated logarithm. Theory of Probability and its Applications **32**, 334–337.
- 39.** Bulinski, A.V. (1987): Limit theorems under weak dependence conditions. In: Probability Theory and Mathematical Statistics, Proceedings of the 4th International Vilnius conference (Utrecht, VNU Science Press), **1**, 307–326.
- 40.** Bulinski, A.V. and Doukhan, P. (1987): Inégalités de mélange fort utilisant des normes d'Orlicz. Comptes Rendus de l'Académie des Sciences de Paris, séries I, **305**, 826–830 (in French).
- 41.** Bulinski, A.V. (1988): Le comportement du maximum de sommes aléatoires multiindexés. Comptes Rendus de l'Académie des Sciences de Paris, séries I, **306**, 561–564 (in French).
- 42.** Bulinski, A.V. (1988): On various conditions for mixing and asymptotic normality of random fields. Soviet Mathematics – Doklady **37**, 443–448.
- 43.** Bulinski, A.V. and Kolmogorov A.N. (1988): Randomized experiments and optimal statistical inferences. In: Planning and Estimation of Efficiency of Works on Artificial Increase of Precipitation (Moscow, "Gidrometeoizdat" Publisher), 69–76 (in Russian).
- 44.** Bulinski, A.V. (1989): On the sharp conditions for asymptotic normality of random fields. In: Stochastic Processes, Mathematical Statistics and Their Applications (Moscow, MSU Press), 9–14 (in Russian).
- 45.** Bulinski, A.V. (1989): Limit Theorems Under Weak Dependence Conditions. Moscow. MSU Press. 135pp. (in Russian).

- 46.** Bulinski, A.V. (1989): Asymptotic normality for the families of integral functionals. Proceedings of the 5th International Vilnius conference on Probability Theory and Mathematical Statistics, Vilnius, Lithuania, June 1989, **3**, 47–48.
- 47.** Bulinski, A.V. (1989): Limit Theorems for Stochastic Processes and Random Fields under Weak Dependence Conditions and Their Statistical Applications. Doctoral Thesis, Habilitation. Moscow, MSU. 247pp. (in Russian).
- 48.** Bulinski, A.V. (1990): Limit Theorems for Stochastic Processes and Random Fields under Weak Dependence Conditions and Their Statistical Applications. Abstract of Doctoral Thesis (Habilitation). Moscow, MSU. 25pp. (in Russian).
- 49.** Bulinski, A.V. and Doukhan, P. (1990): Vitesse de convergence dans le théorème de limite centrale pour des champs mélangeants satisfaisant des hypothèses de moments faibles. Comptes Rendus de l'Académie des Sciences de Paris, séries I, **311**, 801–805 (in French).
- 50.** Bulinski, A.V. (1990): CLT for families of integral functionals arising in solving the multidimensional Burgers equation. In: Probability Theory and Mathematical Statistics, Eds. Grigelionis, B. et al. (Utrecht/Vilnius, VSP/Mokslas), **1**, 207–216.
- 51.** Bulinski, A.V. and Molchanov, S.A. (1991): Asymptotical normality of a solution of Burgers' equation with random initial data. Theory of Probability and its Applications **36**, 217–236.
- 52.** Bulinski, A.V. (1991): Some problems of asymptotical analysis of nonlinear diffusion. Abstracts of Communications of the VI USSR-Japan Symposium on Probability Theory and Mathematical Statistics, Kiev, USSR, July 1991, **1**, 22–23.
- 53.** Bulinski, A.V. (1992): Central limit theorem for shot-noise fields. Journal of Soviet Mathematics **61**, 1840–1845.
- 54.** Bulinski, A.V. and Usmanov, M.R. (1992): Some remarks on moment bounds for a sequence of associated random variables. Moscow University Mathematics Bulletin **47**, 47–48.
- 55.** Bulinski, A.V. (1992): CLT for the solution of the multidimensional Burgers equation with random data. Annales Academiae Scientiarum Fennicae, Series A I, Mathematica, **17**, 11–22.
- 56.** Bulinski, A.V. (1992): Rate of normal approximation for associated random fields. Moscow University Mathematics Bulletin **47**, p.72.
- 57.** Bulinski, A.V. (1992): Random fields and FKG-inequality. Proceedings of the International conference dedicated to the memory of the member of the Academy of Science M.P.Kravchuk, Kiev/Lutsk, Ukraine, September 22–26, 1992, p.26 (in Russian).
- 58.** Bulinski, A.V. (1992): Some problems of asymptotical analysis of nonlinear diffusion. In: Probability Theory and Mathematical Statistics, Proceedings of VI USSR-Japan Symposium, Eds. Shiryaev, A.N. et al. (Singapore, World Scientific), 32–46.
- 59.** Bulinski, A.V. (1993): An analogue of Berry–Esseen estimate for random fields satisfying FKG-inequality. Theory of Probability and its Applications **37**, 748–749.

- 60.** Bulinski, A.V. (1993): Inequalities for the moments of sums of associated multi-indexed variables. *Theory of Probability and its Applications* **38**, 342–349.
- 61.** Bulinski, A.V. (1993): Limit theorems for weakly associated random fields. Proceedings of the 6th International Vilnius conference on Probability Theory and Mathematical Statistics, Vilnius, Lithuania, June 1993, p.26.
- 62.** Bulinski, A.V. (1993): Some strokes to the portrait of A.N. Kolmogorov. In: Kolmogorov in the Memories, Ed. Shiryaev, A.N. (Moscow: Nauka), 407–433 (in Russian).
- 63.** Bulinski, A.V. (1994): On Berry-Esseen estimate analogues for random fields with FKG-inequalities. In: Stability Problems in Stochastic Models, Eds. Zolotarev, V.M. et al. (Moscow, TVP), 9–20.
- 64.** Bulinski, A.V. and Lifshits, M.A. (1994): Rate of convergence in the functional law of the iterated logarithm for nonstandard normalizations. *Doklady – Mathematics* **49**, 294–297.
- 65.** Bulinski, A.V. (1994): Invariance principle for associated fields. Proceedings of the 15 International seminar on Stability of Stochastic Models, Eger, Hungary, August 1994, p.5.
- 66.** Bulinski, A.V. (1994): Asymptotic Gaussian behavior of random fields. Proceedings of the scientific-technical conference of the Moscow Technical University of Communications and Informatics (MTUCI), Moscow, Russia, April 1994, p.78 (in Russian).
- 67.** Bulinski, A.V. (1995): Rate of convergence in the central limit theorem for fields of associated random variables. *Theory of Probability and its Applications* **40**, 136–144.
- 68.** Bulinski, A.V. and Lifshits, M.A. (1995): Rate of convergence in the functional law of the iterated logarithm with non-standard normalizing factors. *Russian Mathematical Surveys* **50**, 925–944.
- 69.** Bulinski, A.V. and Lifshits, M.A. (1995): On the best possible convergence rate in the Strassen law for random polygons. *Les publications de l'Institut de Recherche en Mathématiques Avancées de Lille*, **36**, 2–10.
- 70.** Astashova, I.V., Bulinski, A.V., Fedin, S.N. and Sineva, I.S. (1995): Methodical Instructions and Control Exercises on the Course of Higher Mathematics, the 3d part "Integral Calculus". Moscow. MTUCI Press. 80 pp. (in Russian)
- 71.** Bulinski, A.V. (1995): Theory of Probability. MTUCI Press. 86 pp. (in Russian)
- 72.** Bulinski, A.V. and Lifshits, M.A. (1995): The best rate of convergence in the Strassen law for random polygons. *Moscow University Mathematics Bulletin* **50**, 31–36.
- 73.** Bulinski, A.V. (1995): Limit theorems for associated random fields. Proceedings of the 21st European Meeting of Statisticians, Aarhus, Denmark, August 21 – 25, 1995, p.68.
- 74.** Bulinski, A.V. (1995): The functional law of the iterated logarithm for associated random fields. *Fundamental'naya i Prikladnaya Matematika* **1**, 623–639 (in Russian).

- 75.** Bulinski, A.V. (1995): Limit theorems for random fields with association property. Proceedings of the 2d all-Russian school-colloquium on statistical methods, Yoshkar-Ola, Russia, December 18 – 23, 27–28 (in Russian).
- 76.** Bulinski, A.V. (1996): The functional law of the iterated logarithm for random fields. Proceeding of the scientific-technical conference of MTUCI, Moscow, Russia, January 30 – February 1, 1996, 221–222 (in Russian).
- 77.** Bulinski, A.V. (1996): On the convergence rates in the CLT for positively and negatively dependent random fields. In: Probability Theory and Mathematical Statistics, Eds. Ibragimov, I.A. and Zaitsev, A.Yu. (Amsterdam: Gordon and Breach Publishers), 3-14.
- 78.** Bulinski, A.V. (1996): Functional limit theorems for associated random fields. Proceedings of the 4th World Congress of the Bernoulli Statistical Society, Vienna, Austria, August 26 – 31, 1996, p.139.
- 79.** Bulinski, A.V. (1996): Some statistical variants of the CLT. Dwudziesta piąta ogólnopolska konferencja zastosowań matematyki, Zakopane-Kościelisko, 17–24.IX.1996, 19–20.
- 80.** Bulinski, A.V. and Keane, M.S. (1996): Invariance principle for associated random fields. *Journal of Mathematical Sciences* **81**, 2905–2911.
- 81.** Bulinski, A.V. and Vronski, M.A. (1996): Statistical approach to CLT for random fields. Proceedings of the International conference dedicated to the 175 anniversary of the birth of P.L.Chebyshev, Moscow, Russia, April 1996, 80–83 (in Russian).
- 82.** Bulinski, A.V. and Vronski, M.A. (1996): Statistical variant of the CLT for associated random fields. *Fundamental'naya i Prikladnaya Matematika* **2**, 999–1018 (in Russian).
- 83.** Bulinski, A.V. (1997): On invariance principle for random fields. Proceedings of the 18th Seminar on Stability Problems of Stochastic Models, Debrecen-Hajdúszoboszló, Hungary, January 26 – February 1, 1997, p.28.
- 84.** Bulinski, A.V. (1997): Dependence concepts and some approximation methods. Dwadziesta szósta ogólnopolska konferencja zastosowań matematyki, Zakopane-Kościelisko, 23–30.IX.1997, p.12.
- 85.** Bulinski, A.V. (1997): Random fields with positive and negative dependence. *OP&PM Surveys in Applied and Industrial Mathematics* 1997, **4**, p.331 (in Russian).
- 86.** Bakhtin, Yu.Yu. and Bulinski, A.V. (1997): Moment inequalities for sums of dependent multi-indexed random variables. *Fundamental'naya i Prikladnaya Matematika* **3**, 1101–1108 (in Russian).
- 87.** Bulinski, A.V. and Shabanovich, E. (1998): Asymptotical behavior for some functionals of positively and negatively dependent random fields. *Fundamental'naya i Prikladnaya Matematika* **4**, 479–492 (in Russian).

- 88.** Bulinski, A.V. and Mikusheva, A.E. (1998): SLLN and other laws for arrays. Proceedings of the 22nd European Meeting of Statisticians and the 7th Vilnius International conference on Probability Theory and Mathematical Statistics, Vilnius, Lithuania, June 1998, p.167.
- 89.** Bulinski, A.V. (1998): Limit laws for arrays. Proceedings of the International Congress of Mathematicians, Berlin, Germany, August 1998, p.249.
- 90.** Bulinski, A.V. and Lifshits, M.A. (1999): Rates of clustering in the Strassen law for random polygons. *Journal of Mathematical Sciences* **93**, 287–293.
- 91.** Bulinski, A.V. (1999): Some problems concerning the functional law of the iterated logarithm. Proceedings of the 2nd Nordic-Russian Symposium, Beitostølen, Norway, July 28 – August 7, 1999, p.3.
- 92.** Bulinski, A.V. (1999): Probabilistic models and their interpretation. Proceedings of the scientific-technical conference of the MTUCI, Moscow, Russia, April 1999, 64–65 (in Russian).
- 93.** Bulinski, A.V. (1999): Some limit theorems for random fields. Dwudziesta ósma ogólnopolska konferencja zastosowań matematyki, Zakopane-Kościelisko, 21–28.IX.1999, p.31.
- 94.** Bulinski, A.V. (1999): Mixing conditions. In: Probability and Mathematical Statistics, Ed. Prokhorov, Yu.V. (Moscow: Great Russian Encyclopedia Publishing), 447–448 (in Russian).
- 95.** Bulinski, A.V. (1999): Mixing conditions for random fields. In: Probability and Mathematical Statistics, Ed. Prokhorov, Yu.V. (Moscow: Great Russian Encyclopedia Publishing), p.448 (in Russian).
- 96.** Bulinski, A.V. (2000): Asymptotical Gaussian behavior of quasi-associated vector-valued random fields. *OP&PM Surveys in Applied and Industrial Mathematics* **7**, 482–483 (in Russian).
- 97.** Bulinski, A.V. (2000): On the Stein method for rates in CLT. Dwadziesta dziewiąta ogólnopolska konferencja zastosowań matematyki, Zakopane-Kościelisko, 19–26.IX.2000, 17–18.
- 98.** Bulinski, A.V. and Suquet, Ch. (2001): Normal approximation for quasi-associated random fields. *Statistics and Probability Letters* **54**, 215–226.
- 99.** Bulinski, A.V. (2001): Around the CLT. Proceedings of the XXI International Seminar on Stability Problems for Stochastic Models, Eger, Hungary, January 28 – February 3, 2001, p.58.
- 100.** Bulinski, A.V. (2001): Around the Stein method. Proceeding of the Midnight Sun Workshop on Stochastic Analysis and Financial Mathematics at Kautokeino, Norway, June 27 – July 2, 2001, p.3-4.
- 101.** Bulinski, A.V. (2001): Random perturbations of fractional differential equations. *OP&PM Surveys in Applied and Industrial Mathematics* **8**, 749–751 (in Russian).

- 102.** Bulinski, A.V. (2001): Some fractional differential equations with random perturbations. Trzydziesta ogólnopolska konferencja zastosowań matematyki, Zakopane-Kościelisko, 18-25.IX.2001, p.18.
- 103.** Bulinski, A.V. and Vashevnic, A.M. (2002): Convergence rates in the FCLT for stochastic processes arising in insurance models. Trzydziesta pierwsza ogólnopolska konferencja zastosowań matematyki, Zakopane-Kościelisko, 17-24.IX.2002, p.17-18.
- 104.** Bulinski, A.V. and Dilman, S.V. (2002): Some generalizations of the Hartman-Wintner theorem. Proceedings of the Conference dedicated to the 90th Anniversary of B.V.Gnedenko, Kiev, Ukraine, June 3 – 7, 2002, p.11.
- 105.** Bulinski, A.V. and Shashkin, A.P. (2002): Normal approximation for vector-valued (BL, θ) -dependent random fields. OP&PM Surveys in Applied and Industrial Mathematics **9**, 70–71 (in Russian).
- 106.** Bulinski, A.V. and Khrennikov, A.Yu. (2002): Non-classical analogs of the total probability formula via quantum interference. Proceedings of the International Conference on Quantum Probability, Växjö, Sweden, July 2002, 45–48.
- 107.** Bulinski, A.V. and Khrennikov, A.Yu. (2002): Nonclassical total probability formula and quantum interference of probabilities. Reports of Växjö University (Mathematics, Nature Science and Technology) **13**, 1–8.
- 108.** Bulinski, A.V. (2002): Limit theorems for quasiassociated random fields. Proceedings of the International Congress of Mathematicians, Beijing, China, August 20–28, 2002, **2**, p.168.
- 109.** Bulinski, A.V. and Dilman, S.V. (2002): Universal normalization in the law of the iterated logarithm. Russian Mathematical Surveys **57**, 418–419.
- 110.** Bulinski, A.V. and Millionschikov, N.V. (2002): The normal approximation rate for kernel estimates of the density of a quasi-associated random field. Theory of Probability and Mathematical Statistics **66**, 37–48.
- 111.** Bulinski, A.V. and Shiryaev, A.N. (2003): Theory of Stochastic Processes. Moscow. FIZMATLIT. 393 pp. (in Russian)
- 112.** Bulinski, A.V. (2003): Statistical variant of the CLT for vector-valued random fields. Proceedings of the International conference "Kolmogorov and contemporary mathematics", Moscow, Russia, June 16 – 21, 2003, 405–406.
- 113.** Bulinski, A.V. and Khrennikov, A.Yu. (2003): The law of large numbers, contextual formula of total probability, and quantum interference. Proceedings of the Conference "Foundations of probability and physics – 2", Växjö (Smoland), Sweden, June 2-7, 2002, 139–149.
- 114.** Bulinski, A.V. and Shashkin, A.P. (2003): Rates in the CLT for vector-valued random fields. Prépublications no. 3/24 de Mathématiques de l'Université Paris-X Nanterre. 16 pp.
- 115.** Bulinski, A.V. (2003): Self-normalization in the central limit theorem for vector-valued random fields. Prépublications no. 3/27 de Mathématiques de l'Université Paris-X Nanterre. 18 pp.

- 116.** Bulinski, A.V. and Shashkin, A.P. (2003): Asymptotical properties of kernel density estimates for dependent vector-valued random fields. Proceedings of the 13th European Young Statisticians Meeting, Ovronnaz, Switzerland, September 21 – 26, 2003, 25–27.
- 117.** Bulinski, A.V. and Khrennikov, A.Yu. (2004): Nonclassical total probability formula and quantum interference of probabilities. *Statistics and Probability Letters* **70**, 49–58.
- 118.** Bulinski, A.V. (2004): The law of iterated logarithm for random fields with power-decreasing correlations. *OP&PM Surveys in Applied and Industrial Mathematics* **11**, 503–504 (in Russian).
- 119.** Bulinski, A.V. (2004): Stochastic models in micro- and macrocosm. Proceedings of the seminar "Time, chaos and mathematical problems", Ed. Sadovnichy, V.A., **3**, 231–254 (in Russian).
- 120.** Bulinski, A.V. (2004): Statistical version of the central limit theorem for vector-valued random fields. *Mathematical Notes* **76**, 455–464.
- 121.** Bulinski, A.V. and Shashkin, A.P. (2004): Rates in the CLT for sums of dependent multiindexed random vectors. *Journal of Mathematical Sciences* **122**, 3343–3358.
- 122.** Bulinski, A.V. and Shashkin, A.P. (2005): Strong invariance principle for dependent random fields. Prépublication no. 968 de Laboratoire de Probabilités et Modèles Aléatoires de l'Université Pierre et Marie Curie, Paris-VI. 16 pp.
- 123.** Bulinski, A.V. and Khrennikov, A.Yu. (2005): Generalization of the critical volume NTCP in the radiobiology. Prépublication no. 977 de Laboratoire de Probabilités et Modèles Aléatoires de l'Université Pierre et Marie Curie, Paris-VI. 13 pp.
- 124.** Bulinski, A.V. and Khrennikov, A.Yu. (2005): NTCP model under weak dependence conditions. Transactions of XXV International Seminar on Stability Problems for Stochastic Models, Maiori (Salerno), Italy, September 20 – 24, 2005, 79–88.
- 125.** Bulinski, A.V. and Shiryaev, A.N. (2005): Theory of Stochastic Processes. Moscow. FIZMATLIT, series "Classical University Textbooks". 400 pp. (in Russian)
- 126.** Bulinski, A.V. and Shashkin, A.P. (2005): Strong invariance principle for dependent multi-indexed random variables. *Doklady Mathematics* **72**, 503–507.
- 127.** Bulinski, A.V. and Shashkin, A.P. (2006): Strong invariance principle for dependent random fields. IMS Lecture Notes - Monograph Series, Dynamics and Stochastics, Festschrift in honor of M.S.Keane, **48**, 128-143.
- 128.** Bulinski, A.V. (2006): Limit theorems for associated and related random fields. Proceedings of the International conference "Modern Stochastics: Theory and Applications", Kiev, Ukraine, June 19 – 23, 2006, 116-117.
- 129.** Bulinski, A.V. (2006): CLT for random fields with self-normalization. Proceedings of the IV International conference "Limit Theorems in Probability Theory and their Applications", Novosibirsk, Russia, August 21 – 25, 2006, 10–11.

- 130.** Bulinski, A.V. and Kryzhanovskaya, N.Yu. (2007): Convergence rate in CLT for vector-valued random fields with self-normalization. *Probability and Mathematical Statistics* **26**, 261 – 281.
- 131.** Bulinski, A.V. (2007): Central limit theorem for random fields and applications. Book of Abstracts of XIIth Applied Stochastic Models and Data Analysis International conference, Ed. Skiadas, Ch., Chania, Crete, Greece, May 29 – June 1, 2007, p.32.
- 132.** Bulinski, A.V. (2007): Central limit theorem for random fields and applications. Proceedings of XIIth Applied Stochastic Models and Data Analysis International conference, Ed. Skiadas, Ch., Chania, Crete, Greece, May 29 – June 1, 2007, 1–8.
- 133.** Bulinski, A.V. and Shashkin, A.P. (2007): Limit Theorems for Associated Random Fields and Related Systems. Singapore. World Scientific Press, "Advanced Series on Statistical Science and Applied Probability", **10**. 432pp.
- 134.** Bulinski, A.V. and Shashkin, A.P. (2008): Limit Theorems for Associated Random Fields and Related Systems. Moscow. FIZMATLIT. 480 pp. (in Russian)
- 135.** Bulinski, A.V. (2008): Statistical version of CLT for random fields. 2008 Barcelona Conference on Asymptotic Statistics, Centre de Recerca Matemàtica, Bellaterra, Spain, September 1 – 5, 2008, p.59.
- 136.** Bulinski, A.V. (2008): Stochastic models in radiobiology based on dependent random fields. Transactions of the International Workshop on Applied Probability, Compiègne, France, July 7 – 10, 2008, 1–6.
- 137.** Bulinski, A.V. (2009): Stochastic models in radiobiology. In: "Modern Problems of Mathematics, Mechanics and their Applications" (Moscow: MSU Press), 69–76 (in Russian).
- 138.** Bulinski, A.V. (2009): Stochastic models in radiobiology. Proceedings of the International conference "Modern Problems of Mathematics, Mechanics and their Applications", Moscow, Russia, March 30 – April 2, 2009, p.364 (in Russian).
- 139.** Bulinski, A.V. (2009): Stochastic models in radiobiology. Proceedings of the International conference "Stochastic Analysis and Random Dynamics", Lviv, Ukraine, June 14 – 20, 2009, 43–44.
- 140.** Bulinski, A.V. (2010): Central limit theorem for random fields and applications. In: "Advances in Data Analysis. Theory and Applications to Reliability and Inference, Data Mining, Bioinformatics, Lifetime Data, and Neural Networks", Ed. Skiadas, Ch. (Boston–Basel–Berlin: Birkhauser), 141–150.
- 141.** Bulinski, A.V. (2010): Limit theorems for random fields and their applications. Proceedings of the 10th International Vilnius conference on Probability Theory and Mathematical Statistics, Vilnius, Lithuania, June 28 – July 2, 2010, p. 27.
- 142.** Bulinski, A.V. (2010): Stochastic models describing the risks of diseases. Proceedings of the International conference "Modern Stochastics: Theory and Applications II", Kiev, Ukraine, September 7 – 11, 2010, 36–37.

143. Bulinski, A.V. (2010): Probabilistic and statistical methods for identification of SNPs collections increasing the risks of complex diseases. Proceedings of the 1st International research and practice conference "Postgenomic Methods of Analysis in Biology, and Laboratory and Clinical Medicine", Moscow, Russia, November 14 – 18, 2010, p.146 (in Russian).

144. Bulinski, A.V. (2011): On the Newman conjecture. Prépublication no. 1441 de Laboratoire de Probabilités et Modèles Aléatoires de l'Université Pierre et Marie Curie, Paris-VI. 10 pp.

145. Bulinski, A.V., Butkovsky, O.A., Shashkin, A.P. and Yaskov P.A. (2011): Statistical methods of SNP data analysis with applications. Prépublication no. 1450 de Laboratoire de Probabilités et Modèles Aléatoires de l'Université Pierre et Marie Curie, Paris-VI. 30 pp.

146. Bulinski, A.V. (2011): Central limit theorem for positively associated stationary random fields. Vestnik St. Petersburg University: Mathematics **44**, 89–96.

147. Bulinski, A.V. (2011): Statistical analysis of complex diseases models in genetics. Proceedings of the 5th International conference "Limit theorems in Probability theory and their applications", Novosibirsk, Russia, August 15 – 21, 2011, 17–18.

148. Bulinski, A.V. (2011): On Newman's conjecture. Proceedings of the XXIX International Seminar on Stability Problems for Stochastic Models, Svetlogorsk, Russia, October 10 – 16, 2011, 14–15.

149. Bulinski, A., Spodarev, E. and Timmermann, F. (2012): Central limit theorems for the excursion set volumes of weakly dependent random fields. Bernoulli **18**, 100–118.

150. Bulinski, A., Butkovsky, O., Sadovnichy, V., Shashkin, A., Yaskov, P., Balatskiy, A., Samokhodskaya, L. and Tkachuk, V. (2012): Statistical Methods of SNP Data Analysis and Applications. Open Journal of Statistics **2**, 73–87.