

## PUBLICATIONS OF A. N. KOLMOGOROV

1923

- [1] Une série de Fourier-Lebesgue divergente presque partout. *Fund. Math.* **4** 324–328.
- [2] Sur l'ordre de grandeur des coefficients de la série de Fourier-Lebesgue. *Bull. Acad. Polon. Sci. Sér. A* 83–86.

1924

- [3] Une contribution à l'étude de la convergence des séries de Fourier. *Fund. Math.* **5** 96–97.
- [4] Sur la convergence des séries de Fourier. *C. R. Acad. Sci. Paris* **178** 303–306 (with G. A. Seliverstov).

1925

- [5] La définition axiomatique de l'intégrale. *C. R. Acad. Sci. Paris* **180** 110–111.
- [6] Sur les bornes de la généralisation de l'intégrale. (First published in [467], paper 6.)
- [7] Sur la possibilité de la définition générale de la dérivée, de l'intégrale et de la sommation des séries divergentes. *C. R. Acad. Sci. Paris* **180** 362–364.
- [8] Sur les fonctions harmoniques conjuguées et les séries de Fourier. *Fund. Math.* **7** 24–29.
- [9] On the tertium non datur principle. *Mat. Sb.* **32** 646–667. (In Russian.)
- [10] Über Konvergenz von Reihen, deren Glieder durch den Zufall bestimmt werden. *Mat. Sb.* **32** 668–667 (with A. Ya. Khinchin).

1926

- [11] Sur la convergence des séries de Fourier. *Atti Accad. Naz. Lincei Rend. (6)* **3** 307–310 (with G. A. Seliverstov).
- [12] Une série de Fourier-Lebesgue divergente partout. *C. R. Acad. Sci. Paris* **183** 1327–1328.

1927

- [13] Sur la loi des grands nombres. *C. R. Acad. Sci. Paris* **185** 917–919.
- [14] Sur la convergence des séries de fonctions orthogonales. *Math. Z.* **26** 432–441 (with D. E. Men'shov).

1928

- [15] On operations on sets. *Mat. Sb.* **35** 414–422. (In Russian.)
- [16] Sur une formule limite de M. A. Khintchine. *C. R. Acad. Sci. Paris* **186** 824–825.
- [17] Sur un procédé d'intégration de M. Denjoy. *Fund. Math.* **11** 27–28.
- [18] Über die Summen durch den Zufall bestimmter unabhängiger Grössen. *Math. Ann.* **99** 309–319.

1929

- [19] The general theory of measure and the calculus of probability. In *Collected Works of the Mathematics Section*. (The Communist Academy. Section of Natural and Exact Sciences.) **1** 8–21. Izd. Komm. Akad., Moscow. (In Russian.)
- [20] Contemporary controversies about the nature of mathematics. *Nauchn. Slovo* No. 6, 41–54. (In Russian.)
- [21] Über das Gesetz des interierten Logarithmus. *Math. Ann.* **101** 126–135.
- [22] Sur la loi des grands nombres. *Atti Accad. Naz. Lincei Rend. (6)* **9** 470–474.

945

1930

- [23] Bemerkungen zu meiner Arbeit "Über die Summen zufälliger Grössen". *Math. Ann.* **102** 484–488.
- [24] Sur la loi forte des grands nombres. *C. R. Acad. Sci. Paris* **191** 910–912.
- [25] Zur topologisch-gruppentheoretischen Begründung der Geometrie. *Nachr. Ges. Wiss. Göttingen Math.-Phys. Kl.* 208–210.
- [26] Untersuchungen über den Integralbegriff. *Math. Ann.* **103** 654–696.
- [27] Sur la notion de la moyenne. *Atti Accad. Naz. Lincei Rend. (6)* **12** 388–391.

1931

- [28] Über die analytischen Methoden in der Wahrscheinlichkeitsrechnung. *Math. Ann.* **104** 415–458.
- [29] Sur le problème d'attente. *Mat. Sb.* **38** (1–2) 101–106.
- [30] The method of the median in the theory of errors. *Mat. Sb.* **38** (3–4) 47–50. (In Russian.)
- [31] Eine Verallgemeinerung des Laplace-Liapounoffschen Satzes. *Izv. Akad. Nauk SSSR OMEN* 959–962.
- [32] Über Kompaktheit der Funktionenmengen bei der Konvergenz im Mittel. *Nachr. Ges. Wiss. Göttingen Math.-Phys. Kl.* 60–63.

1932

- [33] The theory of functions of a real variable. In *Mathematics in the USSR after Fifteen Years* 37–48. GTTI, Moscow. (In Russian.)
- [34] Sulla forma generale di un processo stocastico omogeneo. (Un problema di Bruno de Finetti.) *Atti Accad. Naz. Lincei Rend. (6)* **15** 805–808.
- [35] Ancora sulla forma generale di un processo stocastico omogeneo. *Atti Accad. Naz. Lincei Rend. (6)* **15** 866–869.
- [36] Zur Deutung der intuitionistischen Logik. *Math. Z.* **35** 58–65.
- [37] Zur Begründung der projektiven Geometrie. *Ann. of Math. (2)* **33** 175–176.
- [38] *An Introduction to the Theory of Functions of a Real Variable*. GTTI, Moscow (with P. S. Aleksandrov). (In Russian.)

1933

- [39] *An Introduction to the Theory of Functions of a Real Variable*, 2nd ed. GTTI, Moscow (with P. S. Aleksandrov). (In Russian.)
- [40] *Grundbegriffe der Wahrscheinlichkeitsrechnung*. Springer, Berlin. (Russian ed., 1936 [63]; English ed., 1950, Chelsea, New York; 2nd English ed., 1956, Chelsea, New York; 2nd Russian ed., 1974 [403].)
- [41] Beiträge zur Masstheorie. *Math. Ann.* **107** 351–366.
- [42] Zur Berechnung der mittleren Brownschen Fläche. *Physik. Z. Sowjetunion* **4** 1–13 (with M. A. Leontovich).
- [43] Sulla determinazione empirica di una legge di distribuzione. *Giorn. Istit. Ital. Attuari* **4** 83–91.
- [44] Über die Grenzwertsätze der Wahrscheinlichkeitsrechnung. *Izv. Akad. Nauk SSSR OMEN* 366–372.
- [45] Zur Theorie der stetigen zufälligen Prozesse. *Math. Ann.* **108** 149–160.
- [46] Sur la détermination empirique d'une loi de distribution. *Uchen. Zap. Moskov. Gos. Univ.* **1** 9–10.
- [47] On the relevance of prediction formulas which are statistically derived. *Zh. Geofiz.* **3** (1) 78–82. (In Russian.)

1934

- [48] On discontinuity points of functions of two variables. *Dokl. Akad. Nauk SSSR* **1** 105–106 (with I. Ya. Verchenko). (In Russian.)

- [49] Zur Normierbarkeit eines allgemeinen topologischen linearen Raumes. *Studia Math.* **5** 29–33.
- [50] On convergence of series of orthogonal polynomials. *Dokl. Akad. Nauk SSSR* **1** 291–294. (In Russian.)
- [51] Further investigations of discontinuity points of functions of two variables. *Dokl. Akad. Nauk SSSR* **4** 361–362 (with I. Ya. Verchenko). (In Russian.)
- [52] Quelques remarques sur l'approximation des fonctions continues. *Mat. Sb.* **41** 99–103.
- [53] Some new trends in probability theory. Abstract. In *Bulletin of the Second All-Union Congress of Mathematicians, Leningrad, June 24–30, 1934* **8**. Akad. Nauk SSSR, Leningrad. (In Russian.)
- [54] Modern mathematics. *Front Nauki i Tekhniki* No. 5–6, 25–28. (In Russian.)
- [55] The Institute of Mathematics and Mechanics at Moscow State University. *Front Nauki i Tekhniki* No. 5–6, 75–78. (In Russian.)
- [56] The Second All-Union Mathematical Congress. *Sotsialist. Rekonstr. i Nauka* No. 7. (In Russian.)
- [57] Zufällige Bewegungen (Zur Theorie der Brownschen Bewegung). *Ann. of Math. (2)* **35** 116–117.

1935

- [58] Some current developments in probability theory. In *Proc. of the Second All-Union Mathematical Congress, Leningrad, June 24–30, 1934* **1** 349–358. Akad. Nauk SSSR, Leningrad. (In Russian.)
- [59] Deviations from Hardy's formula in partial isolation. *C. R. Acad. Sci. URSS (N. S.)* **3** 129–132.
- [60] La transformation de Laplace dans les espaces linéaires. *C. R. Acad. Sci. Paris* **200** 1717–1718.
- [61] Zur Größenordnung des restgliedes Fourierschen Reihen differenzierbarer Funktionen. *Ann. of Math. (2)* **36** 521–526.

1936

- [62] Über die beste Annäherung von Funktionen einer gegebenen Funktionenklasse. *Ann. of Math. (2)* **37** 107–110.
- [63] *Foundations of the Theory of Probability*. ONTI, Moscow. (In Russian.)
- [64] Equation. *Large Soviet Encyclopedia* **56** 163–165. (In Russian.)
- [65] Modern mathematics. In *Articles on the Philosophy of Mathematics* 7–13. ONTI, Moscow. (In Russian.)
- [66] Theory and practice in mathematics. *Front Nauki i Tekhniki* No. 5, 39–42. (In Russian.)
- [67] Über die Dualität im Aufbau der kombinatorische Topologie. *Mat. Sb.* **1** 97–102.
- [68] Anfangsgrunde der Theorie der Markoffschen Ketten mit unendlich vielen möglichen Zuständen. *Mat. Sb.* **1** 607–610.
- [69] Homologierung des Komplexes und des lokal-bikompakten Raumes. *Mat. Sb.* **1** 701–706.
- [70] Zur Theorie der Markoffschen Ketten. *Math. Ann.* **112** 155–160.
- [71] On Plessner's condition for the law of large numbers. *Mat. Sb.* **1** 847–849. (In Russian.)
- [72] Endliche Überdeckungen topologische Räume. *Fund. Math.* **26** 267–271 (with P. S. Aleksandrov).
- [73] Les groupes de Betti des espaces localement bicomacts. *C. R. Acad. Sci. Paris* **202** 1144–1147.
- [74] Propriétés des groupes de Betti des espaces localement bicomacts. *C. R. Acad. Sci. Paris* **202** 1325–1327.
- [75] Les groupes de Betti des espaces métriques. *C. R. Acad. Sci. Paris* **202** 1558–1560.
- [76] Cycles relatifs. Théorème de dualité de M. Alexander. *C. R. Acad. Sci. Paris* **202** 1641–1643.
- [77] Preface to translation of *A Survey of Research on the Foundations of Mathematics*, by A. Heyting 3–4. ONTI, Moscow. (In Russian.)
- [78] Sulla teoria di Volterra della lotta per l'esistenza. *Giorn. Istit. Ital. Attuari* **7** 74–80.

1937

- [79] Über offene Abbildungen. *Ann. of Math. (2)* **38** 36–38.
- [80] Skew-symmetric variables and topological invariants. In *Proc. Seminar on Vector and Tensor Analysis with Applications to Geometry, Mechanics and Physics* **4** 342–347. GONTI, Moscow. (In Russian.)
- [81] Markov chains with a denumerable number of possible states. *Bull. Moskov. Gos. Univ. Mat. Mekh.* **1** (3) 1–16. (In Russian.)
- [82] Studies of the diffusion equation, with the increasing quantity of the substance and its application to a biological problem. *Bull. Moskov. Gos. Univ. Mat. Mekh.* **1** (6) 1–26 (with I. G. Petrovskii and N. S. Piskunov). (In Russian.)
- [83] On the statistical theory of crystallization in metals. *Izv. Akad. Nauk SSSR. Ser. Mat.* No. 3, 367–368. (In Russian.)
- [84] Ein vereinfachter Beweis der Birkhoff-Khintchineschen Ergodensatzes. *Mat. Sb.* **2** 367–368.
- [85] Zur Umkehrbarkeit der statistischen Naturgesetze. *Math Ann.* **113** 766–772.
- [86] Editor and author of Supplement for translation of *Mengenlehre*, by F. Hausdorff. GONTI, Moscow (with P. S. Aleksandrov). (In Russian.)
- [87] Continuum. *Large Soviet Encyclopedia* **34** 139–140. (In Russian.)

1938

- [88] *An Introduction to the Theory of Functions of a Real Variable*, 3rd rev. ed. GONTI, Moscow (with P. S. Aleksandrov). (In Russian.)
- [89] Andrei Andreevich Markov. *Large Soviet Encyclopedia* **38** 152–153. (In Russian.)
- [90] Mathematics. *Large Soviet Encyclopedia* **38** 359–402. (In Russian.)
- [91] Mathematical induction. *Large Soviet Encyclopedia* **38** 405–406. (In Russian.)
- [92] Measure. *Large Soviet Encyclopedia* **38** 831–832. (In Russian.)
- [93] Multidimensional space. *Large Soviet Encyclopedia* **39** 577–578. (In Russian.)
- [94] Probability theory and its applications. In *Mathematics and the Natural Sciences in the USSR* 51–61. GONTI, Moscow. (In Russian.)
- [95] On the information section in the first issue of *Uspekhi Matematicheskikh Nauk. Uspekhi Mat. Nauk* **4** 326–327. (In Russian.)
- [96] A remark on the occasion of the publication of a new translation of *Grundlagen der Geometrie*, by D. Hilbert. *Uspekhi Mat. Nauk* **4** 347–348. (In Russian.)
- [97] Editorial. The series of articles on the theory of stochastic processes. *Uspekhi Mat. Nauk* **5** 3–4. (In Russian.)
- [98] On analytical methods in probability theory. *Uspekhi Mat. Nauk* **5** 5–41. (In Russian, translation of [28].)
- [99] A simplified proof of the Birkhoff–Khinchin ergodic theorem. *Uspekhi Mat. Nauk* **5** 52–56. (In Russian, translation of [84].)
- [100] A problem in the theory of functions of a real variable. *Uspekhi Mat. Nauk* **5** 232–234 (with G. M. Fikhtengol'ts and I. M. Gel'fand). (In Russian.)
- [101] On the solution of a biological problem. *Izv. NII Mat. Mekh. Tomsk. Univ.* **2** (1) 7–12. (In Russian.)
- [102] Une généralisation de l'inégalité de M. J. Hadamard entre les bornes supérieures des dérivées successives d'une fonction. *C. R. Acad. Sci. Paris* **207** 764–765.
- [103] Editor and author of Preface for translation of *La mesure des grandeurs*, by A. Lebesgue. Uchpedgiz, Moscow. (In Russian.)

1939

- [104] *Algebra, Part I*. Uchpedgiz, Moscow (with P. S. Aleksandrov). (In Russian.)
- [105] Orientation. *Large Soviet Encyclopedia* **43** 342–344. (In Russian.)
- [106] On the inequalities between upper bounds of the successive derivatives of an arbitrary function on an infinite interval. *Uchen. Zap. Moskov. Gos. Univ.* **30**. *Mat.* No. 3, 3–16. [In Russian; translation *Amer. Math. Soc. Transl.* No. 4 (1949).]

- [107] On rings of continuous functions on topological spaces. *C. R. Acad. Sci. URSS (N. S.)* **22** 11–15 (with I. M. Gel'fand).  
 [108] Sur l'interpolation et extrapolation des suites stationnaires. *C. R. Acad. Sci. Paris* **208** 2043–2045.

1940

- [109] Surface. *Large Soviet Encyclopedia* **45** 746–748. (In Russian.)  
 [110] Kurven im Hilbertschen Raum, die gegenüber einer einparametrischen Gruppe von Bewegungen invariant sind. *C. R. Acad. Sci. URSS (N. S.)* **26** 6–9.  
 [111] Wiener'sche Spiralen und einige andere interessante Kurven im Hilbertschen Raum. *C. R. Acad. Sci. URSS (N. S.)* **26** 115–118.  
 [112] To Sergei Natanovich Bernshtein on his sixtieth birthday. *Izv. Akad. Nauk SSSR Ser. Mat.* **4** 249–260 (with V. L. Goncharov). (In Russian.)  
 [113] Valerii Ivanovich Glivenko (1897–1940). Obituary. *Uspekhi Mat. Nauk* **8** 379–383. (In Russian.)  
 [114] Book review of *Mathematical Statistics*, by V. I. Romanovskii. *Uspekhi Mat. Nauk* **7** 327–329. (In Russian.)  
 [115] On a new confirmation of Mendel's laws. *C. R. Acad. Sci. URSS (N. S.)* **27** 37–41.

1941

- [116] Stationary sequences in Hilbert space. *Bull. Moskov. Gos. Univ. Mat.* **2** (6) 1–40. (In Russian.)  
 [117] Interpolation and extrapolation of stationary random sequences. *Izv. Akad. Nauk SSSR Ser. Mat.* **5** 3–14. (In Russian.)  
 [118] Points of local topologicity of enumerably folded open mappings of compacts. *C. R. Acad. Sci. URSS (N. S.)* **30** 479–481.  
 [119] The local structure of turbulence in incompressible viscous fluid for very large Reynolds' numbers. *C. R. Acad. Sci. URSS (N. S.)* **30** 301–305.  
 [120] Über das logarithmisch normale Verteilungsgesetz der Dimensionen der Teilchen bei Zerstückelung. *C. R. Acad. Sci. URSS (N. S.)* **31** 99–101.  
 [121] On degeneration of isotropic turbulence in an incompressible viscous liquid. *C. R. Acad. Sci. URSS (N. S.)* **31** 538–540.  
 [122] Dissipation of energy in the locally isotropic turbulence. *C. R. Acad. Sci. URSS (N. S.)* **32** 16–18.  
 [123] Properties of inequalities and the concept of approximation. *Mat. v Shkole* No. 2, 1–12 (with P. S. Aleksandrov). (In Russian.)  
 [124] Irrational numbers. *Mat. v Shkole* No. 3, 1–15 (with P. S. Aleksandrov). (In Russian.)  
 [125] Confidence limits for an unknown distribution function. *Ann. Math. Statist.* **12** 461–463.

1942

- [126] The determination of the center of dispersion and the measure of accuracy resulting from a limited number of observations. *Izv. Akad. Nauk SSSR Ser. Mat.* **6** 3–32. (In Russian.)  
 [127] Equations of turbulent motion for an incompressible fluid. *Izv. Akad. Nauk SSSR Ser. Fiz.* **6** 56–58. (In Russian.)

1943

- [128] *Nikolai Ivanovich Lobachevskii, 1793–1843*. Gostekhizdat, Moscow (with P. S. Aleksandrov). (In Russian.)

1945

- [129] Number of hits in several shots and the general principles of estimating the efficiency of firing systems. *Trudy Mat. Inst. Steklov.* **12** 7–25. (In Russian.)  
 [130] The artificial dispersion of single-shot hitting and one-dimensional dispersion. *Trudy Mat. Inst. Steklov.* **12** 26–45. (In Russian.)

1946

- [131] On the law of resistance in the case of turbulent flow through smooth tubes. *C. R. Acad. Sci. URSS (N. S.)* **52** 663–665.
- [132] On the proof of the method of least squares. *Uspekhi Mat. Nauk* **1** (1) 57–70. (In Russian.)
- [133] On the foundation of the theory of real numbers. *Uspekhi Mat. Nauk* **1** (1) 217–219. (In Russian.)
- [134] Newton and modern mathematical thought. In *Moscow University—Memorial to Isaac Newton, 1643–1943* 27–43. Moskov. Gos. Univ., Moscow. (In Russian.)
- [135] Discussion of “Transfer of weighted flows by turbulent streams,” by M. A. Velikanov, Corresponding Member of the USSR Academy of Sciences. *Izv. Akad. Nauk SSSR OTN* No. 5, 781–784. (In Russian.)

1947

- [136] Development of mathematics in the USSR. *Large Soviet Encyclopedia SSSR* 1318–1323. (In Russian.)
- [137] Mean values. *Large Soviet Encyclopedia* **52** 508–509. (In Russian.)
- [138] A formula of Gauss from the theory of the least squares method. *Izv. Akad. Nauk SSSR Ser. Mat.* **11** 561–566 (with A. A. Petrov and Yu. M. Smirnov). (In Russian.)
- [139] Branching random processes. *C. R. Acad. Sci. URSS (N. S.)* **56** 5–8 (with N. A. Dmitriev).
- [140] The computation of the final probabilities for branching random processes. *Dokl. Akad. Nauk SSSR* **56** 783–786 (with B. A. Sevast’yanov). (In Russian.)
- [141] Statistical theory of oscillation with a continuous spectrum. In *Jubilee Collection Dedicated to the Thirtieth Anniversary of the Great October Socialist Revolution* **1** 242–252. Akad. Nauk SSSR, Moscow. (In Russian.)
- [142] The role of Russian science in the development of probability theory. In *The Role of Russian Science in the Development of World Science and Culture* **1** (1) 53–64. Moskov. Gos. Univ., Moscow. (In Russian.)

1948

- [143] Statistical theory of oscillation with a continuous spectrum. In *The General Meeting of the USSR Academy of Sciences Dedicated to the Thirtieth Anniversary of the Great October Socialist Revolution* 465–472. Akad. Nauk SSSR, Moscow. (In Russian.)
- [144] Probability theory. In *Thirty Years of Mathematics in the USSR, 1917–1947* 701–727 (with B. V. Gnedenko). (In Russian.)
- [145] Commentaries on two theorems concerning probability. In *P. L. Chebyshev, Complete Works* **3. Mathematical Analysis** 404–409. Gostekhizdat, Moscow. (In Russian.)
- [146] Construction of complete metric Boolean algebras. *Uspekhi Mat. Nauk* **3** (1) 212. (In Russian.)
- [147] A remark on the polynomials of P. L. Chebyshev deviating the least from a given function. *Uspekhi Mat. Nauk* **3** (1) 216–221. (In Russian.)
- [148] Evgenii Evgen’evich Slutskii. Obituary. *Uspekhi Mat. Nauk* **3** (4) 143–151. (In Russian.)
- [149] Editor and author of Preface for translation of *Mathematical Methods of Statistics*, by H. Cramér. GIIIL, Moscow. (In Russian.)
- [150] Algèbres de Boole métriques complètes. *VI Zjazd Matematyków Polskich, Warszawa* 22–30.

1949

- [151] *Limit Distributions for Sums of Independent Random Variables*. Gostekhizdat, Moscow (with B. V. Gnedenko). (In Russian; English ed., 1954, Addison-Wesley, Reading, Mass.; rev. English ed., 1968.)
- [152] On the problem of “geometrical selection” of crystals. *Dokl. Akad. Nauk SSSR* **65** 681–684. In Russian.
- [153] The solution of a probability problem related to the question of the formation of strata. *Dokl. Akad. Nauk SSSR* **65** 793–796. [In Russian; translation *Amer. Math. Soc. Transl.* No. 53 (1951).]

- [154] On sums of a random number of random terms. *Uspekhi Mat. Nauk* 4 (4) 168–172 (with Yu. V. Prokhorov). (In Russian.)
- [155] A local limit theorem for classical Markov chains. *Izv. Akad. Nauk SSSR Ser. Mat.* 13 281–300. [In Russian; translation *Select. Transl. Math. Statist. Probab.* 2 109–129 (1962).]
- [156] Basic problems of theoretical statistics. In *Proc. of the Second All-Union Conference on Mathematical Statistics, Tashkent, Sept. 27–Oct. 2, 1948* 216–220. Uzbekgosizdat, Tashkent. (In Russian.)
- [157] The real meaning of the results of the analysis of variance. In *Proc. of the Second All-Union Conference on Mathematical Statistics, Tashkent, Sept. 27–Oct. 2, 1948* 240–268. Uzbekgosizdat, Tashkent. (In Russian.)
- [158] On the fragmentation of drops in turbulent streams. *Dokl. Akad. Nauk SSSR* 66 825–828. (In Russian.)
- [159] Absolute value. *Large Soviet Encyclopedia*, 2nd ed. 1 32. (In Russian.)
- [160] Jacques Hadamard. *Large Soviet Encyclopedia*, 2nd ed. 1 388. (In Russian.)
- [161] Additive quantities. *Large Soviet Encyclopedia*, 2nd ed. 1 394. (In Russian.)
- [162] Axiom. *Large Soviet Encyclopedia*, 2nd ed. 1 613–616. (In Russian.)
- [163] Axonometry. *Large Soviet Encyclopedia*, 2nd ed. 1 617. (In Russian.)

## 1950

- [164] Unbiased estimates. *Izv. Akad. Nauk SSSR Ser. Mat.* 14 303–326. [In Russian; translation *Amer. Math. Soc. Transl.* No. 98 (1953).]
- [165] On the determination of the soil temperature conductivity coefficient. *Izv. Akad. Nauk SSSR Ser. Geogr. Geofiz.* 14 (2) 97–98. (In Russian.)
- [166] On the exposition of the foundations of Lebesgue's theory of measure. *Uspekhi Mat. Nauk* 5 (1) 211–213. (In Russian.)
- [167] Algebra in the secondary school. *Large Soviet Encyclopedia*, 2nd ed. 2 61–62. (In Russian.)
- [168] Algebraic expression. *Large Soviet Encyclopedia*, 2nd ed. 2 64. (In Russian.)
- [169] Algorithm. *Large Soviet Encyclopedia*, 2nd ed. 2 65. (In Russian.)
- [170] Euclidean algorithm. *Large Soviet Encyclopedia*, 2nd ed. 2 65–67. (In Russian.)
- [171] Aleksandr Danilovich Aleksandrov. *Large Soviet Encyclopedia*, 2nd ed. 2 83. (In Russian.)
- [172] Pavel Sergeevich Aleksandrov. *Large Soviet Encyclopedia*, 2nd ed. 2 84. (In Russian.)
- [173] Asymptote. *Large Soviet Encyclopedia*, 2nd ed. 3 238–239. (In Russian.)
- [174] Asymptotic expressions. *Large Soviet Encyclopedia*, 2nd ed. 3 239. (In Russian.)
- [175] Naum Il'ich Akhiezer. *Large Soviet Encyclopedia*, 2nd ed. 3 565. (In Russian.)
- [176] Stefan Banach. *Large Soviet Encyclopedia*, 2nd ed. 4 183. (In Russian.)
- [177] Nina Karlovna Bari. *Large Soviet Encyclopedia*, 2nd ed. 4 245. (In Russian.)
- [178] Sergei Natanovich Bernshtein. *Large Soviet Encyclopedia*, 2nd ed. 5 52. (In Russian.)
- [179] Infinitely large. *Large Soviet Encyclopedia*, 2nd ed. 5 66–67. (In Russian.)
- [180] Infinitesimal. *Large Soviet Encyclopedia*, 2nd ed. 5 67–71 (with V. F. Kagan). (In Russian.)
- [181] Elements at infinity. *Large Soviet Encyclopedia*, 2nd ed. 5 71–72 (with B. N. Delon). (In Russian.)
- [182] Infinity (in mathematics). *Large Soviet Encyclopedia*, 2nd ed. 5 73–74. (In Russian.)
- [183] Biharmonic functions. *Large Soviet Encyclopedia*, 2nd ed. 5 159. (In Russian.)
- [184] Bilinear form. *Large Soviet Encyclopedia*, 2nd ed. 5 167. (In Russian.)
- [185] The law of large numbers. *Large Soviet Encyclopedia*, 2nd ed. 5 538–540. (In Russian.)

## 1951

- [186] On the problem of differentiability of transition probabilities in time homogeneous Markov processes with a denumerable number of states. *Uchen. Zap. Moskov. Gos. Univ.* 148. *Mat.* 4 53–59. (In Russian.)
- [187] Generalization of Poisson's formula to the case of a sample from a finite set. *Uspekhi Mat. Nauk* 6 (3) 133–134. (In Russian.)

- [188] Ivan Georgievich Petrovskii (on his fiftieth birthday). *Uspekhi Mat. Nauk* **6** (3) 161–164. (In Russian.)
- [189] Statistical quality control with the allowed number of defective items equal to zero. The All-Union Society for the Dissemination of Political and Scientific Knowledge. The Leningrad House of Scientific and Technical Propaganda, Leningrad 1–24. (In Russian.)
- [190] L. E. J. Brouwer. *Large Soviet Encyclopedia*, 2nd ed. **6** 62 (with S. A. Yanovska). (In Russian.)
- [191] Order statistics. *Large Soviet Encyclopedia*, 2nd ed. **6** 641. (In Russian.)
- [192] Hermann Weyl. *Large Soviet Encyclopedia*, 2nd ed. **7** 106 (with S. A. Yanovska). (In Russian.)
- [193] Quantity. *Large Soviet Encyclopedia*, 2nd ed. **7** 340–341. (In Russian.)
- [194] Probable deviation. *Large Soviet Encyclopedia*, 2nd ed. **7** 507. (In Russian.)
- [195] Probability. *Large Soviet Encyclopedia*, 2nd ed. **7** 508–510. (In Russian.)
- [196] Sampling methods. *Large Soviet Encyclopedia*, 2nd ed. **9** 417–418 (with T. I. Kozlov). (In Russian.)
- [197] Introductory article and commentaries to *N. I. Lobachevskii. Complete Collected Works*. **5** 329–332, 342–348. Gostekhizdat, Moscow (with A. N. Khovanskii). (In Russian.)

1952

- [198] On the resistance of cross-section velocity for turbulent flow in tubes. *Dokl. Akad. Nauk SSSR* **84** 29–30. (In Russian.)
- [199] The Gaussian distribution. *Large Soviet Encyclopedia*, 2nd ed. **10** 275. (In Russian.)
- [200] Geodesic curvature. *Large Soviet Encyclopedia*, 2nd ed. **10** 481. (In Russian.)
- [201] David Hilbert. *Large Soviet Encyclopedia*, 2nd ed. **11** 370–371. (In Russian.)
- [202] Histogram. *Large Soviet Encyclopedia*, 2nd ed. **11** 447. (In Russian.)
- [203] Boris Vladimirovich Gnedenko. *Large Soviet Encyclopedia*, 2nd ed. **11** 545. (In Russian.)
- [204] Homeomorphism. *Large Soviet Encyclopedia*, 2nd ed. **12** 21. (In Russian.)
- [205] Homotopy. *Large Soviet Encyclopedia*, 2nd ed. **12** 35. (In Russian.)
- [206] Motion (in geometry). *Large Soviet Encyclopedia*, 2nd ed. **13** 447. (In Russian.)
- [207] Binomial. *Large Soviet Encyclopedia*, 2nd ed. **13** 518. (In Russian.)
- [208] Real numbers. *Large Soviet Encyclopedia*, 2nd ed. **13** 570. (In Russian.)
- [209] Division. *Large Soviet Encyclopedia*, 2nd ed. **13** 628. (In Russian.)
- [210] Discreteness. *Large Soviet Encyclopedia*, 2nd ed. **14** 425. (In Russian.)
- [211] Dispersion. *Large Soviet Encyclopedia*, 2nd ed. **14** 438. (In Russian.)
- [212] Distributivity. *Large Soviet Encyclopedia*, 2nd ed. **14** 479. (In Russian.)
- [213] Distributive operator. *Large Soviet Encyclopedia*, 2nd ed. **14** 479. (In Russian.)
- [214] Differential. *Large Soviet Encyclopedia*, 2nd ed. **14** 498–499. (In Russian.)
- [215] Differential equations. *Large Soviet Encyclopedia*, 2nd ed. **14** 520–526 (with B. P. Demidovich and V. V. Demidov). (In Russian.)
- [216] Confidence level. *Large Soviet Encyclopedia*, 2nd ed. **14** 616. (In Russian.)
- [217] Confidence limits. *Large Soviet Encyclopedia*, 2nd ed. **14** 617. (In Russian.)
- [218] Mathematical symbols. *Large Soviet Encyclopedia*, 2nd ed. **17** 115–119 (with I. G. Bashmakova and A. P. Yushkevich). (In Russian.)
- [219] Significant figures. *Large Soviet Encyclopedia*, 2nd ed. **17** 135. (In Russian.)
- [220] Isomorphism. *Large Soviet Encyclopedia*, 2nd ed. **17** 478–479 (with V. I. Bityutskov). (In Russian.)
- [221] Isotropic lines. *Large Soviet Encyclopedia*, 2nd ed. **17** 509. (In Russian.)
- [222] Assigned value. *Large Soviet Encyclopedia*, 2nd ed. **17** 557. (In Russian.)
- [223] Vasilii Grigor'evich Imshenetskii. *Large Soviet Encyclopedia*, 2nd ed. **17** 607. (In Russian.)
- [224] *Mathematics as a Profession*. Sov. Nauka, Moscow. (In Russian.)

1953

- [225] On the concept of algorithm. *Uspekhi Mat. Nauk* **8** (4) 175–176. (In Russian.)
- [226] Some recent work in the field of limit theorems in probability theory. *Vestnik Moskov. Univ.* **10** 29–38. (In Russian.)
- [227] On dynamical systems with an integral invariant on the torus. *Dokl. Akad. Nauk SSSR* **93** 763–766. (In Russian.)



- [228] Mathematical induction. *Large Soviet Encyclopedia*, 2nd ed. **18** 146. (In Russian.)
- [229] Integral. *Large Soviet Encyclopedia*, 2nd ed. **18** 250–253 (with V. I. Glivenko). (In Russian.)
- [230] Probability integral. *Large Soviet Encyclopedia*, 2nd ed. **18** 253. (In Russian.)
- [231] Interpolation. *Large Soviet Encyclopedia*, 2nd ed. **18** 304–305. (In Russian.)
- [232] Intuitionism. *Large Soviet Encyclopedia*, 2nd ed. **18** 319. (In Russian.)
- [233] Elimination of unknowns. *Large Soviet Encyclopedia*, 2nd ed. **18** 483. (In Russian.)
- [234] Experimental trials. *Large Soviet Encyclopedia*, 2nd ed. **18** 604. (In Russian.)
- [235] The method of exhaustion. *Large Soviet Encyclopedia*, 2nd ed. **19** 50–51. (In Russian.)
- [236] Quadrant. *Large Soviet Encyclopedia*, 2nd ed. **20** 434. (In Russian.)
- [237] Compact. *Large Soviet Encyclopedia*, 2nd ed. **22** 282. (In Russian.)
- [238] Constant. *Large Soviet Encyclopedia*, 2nd ed. **22** 416. (In Russian.)
- [239] Continuum. *Large Soviet Encyclopedia*, 2nd ed. **22** 454–455. (In Russian.)
- [240] Coordinates. *Large Soviet Encyclopedia*, 2nd ed. **22** 524–525. (In Russian.)
- [241] Correlation. *Large Soviet Encyclopedia*, 2nd ed. **23** 55–58. (In Russian.)

1954

- [242] On conservation of conditionally periodic motions for a small change in Hamilton's functions. *Dokl. Akad. Nauk SSSR* **98** 527–530. (In Russian.)
- [243] Théorie générale des systèmes dynamiques et mécanique classique. In *Proc. Internat. Congress of Mathematicians, Amsterdam, 1954* **1** 315–333. Noordhoff, Groningen.
- [244] The line. *Large Soviet Encyclopedia*, 2nd ed. **25** 167–170. (In Russian.)
- [245] The law of small numbers. *Large Soviet Encyclopedia*, 2nd ed. **26** 168. (In Russian.)
- [246] Andrei Andreevich Markov. *Large Soviet Encyclopedia*, 2nd ed. **26** 294. (In Russian.)
- [247] Mathematics. *Large Soviet Encyclopedia*, 2nd ed. **26** 464–483. (In Russian.)
- [248] Mathematical statistics. *Large Soviet Encyclopedia*, 2nd ed. **26** 485–490. (In Russian.)
- [249] Mathematical physics. *Large Soviet Encyclopedia*, 2nd ed. **26** 490. (In Russian.)
- [250] Richard von Mises. *Large Soviet Encyclopedia*, 2nd ed. **27** 414. (In Russian.)
- [251] Multidimensional space. *Large Soviet Encyclopedia*, 2nd ed. **27** 660. (In Russian.)
- [252] Set theory. *Large Soviet Encyclopedia*, 2nd ed. **28** 14–17 (with P. S. Aleksandrov). (In Russian.)
- [253] *Elements of the Theory of Functions and Functional Analysis. A Course of Lectures 1: Metric and Normed Spaces*. Izd. Moskov. Gos. Univ., Moscow (with S. V. Fomin). (In Russian; English ed., 1957, Graylock, Rochester, N.Y.)

1955

- [254] Evaluation of minimal number of elements of  $\epsilon$ -nets in different functional classes and their application to the problem of representation of functions of several variables by superposition of functions of a smaller number of variables. *Uspekhi Mat. Nauk* **10** (1) 192–194. (In Russian.)
- [255] Orientation. *Large Soviet Encyclopedia*, 2nd ed. **31** 188–189. (In Russian.)
- [256] Foundations of geometry. *Large Soviet Encyclopedia*, 2nd ed. **31** 296. (In Russian.)
- [257] Surface. *Large Soviet Encyclopedia*, 2nd ed. **33** 346–347 (with L. A. Skorniyakov). (In Russian.)
- [258] Ordinal numbers. *Large Soviet Encyclopedia*, 2nd ed. **34** 238. (In Russian.)
- [259] Acceptance statistical control. *Large Soviet Encyclopedia*, 2nd ed. **34** 498–499. (In Russian.)

1956

- [260] On Skorokhod convergence. *Theory Probab. Appl.* **1** 215–222.
- [261] Two uniform limit theorems for the sums of independent random variables. *Theory Probab. Appl.* **1** 384–394.
- [262] Zufällige Funktionen und Grenzverteilungssätze. In *Bericht über die Tagung Wahrscheinlichkeitsrechnung und mathematische Statistik in Berlin, Oktober, 1954* 113–126. Deutscher Verlag der Wissenschaften, Berlin (with Yu. V. Prokhorov).
- [263] Some basic problems of approximate and exact definition of functions of one and several variables. In *Proc. of the Third All-Union Mathematical Congress* **2** 28–29. Izd. Moskov. Gos. Univ., Moscow. (In Russian.)

- [264] On the Shannon theory of information transmission in the case of continuous signals. *IRE Trans. Inform. Theory* **IT2** 102–108.
- [265] On the representation of continuous functions of several variables as superpositions of continuous functions of fewer variables. *Dokl. Akad. Nauk SSSR* **108** 179–182. [In Russian; translation *Amer. Math. Soc. Transl. (2)* **17** 369–373 (1961).]
- [266] On certain asymptotic characteristics of completely bounded metric spaces. *Dokl. Akad. Nauk SSSR* **108** 385–388. (In Russian.)
- [267] On a general definition of the amount of information. *Dokl. Akad. Nauk SSSR* **111** 745–748 (with I. M. Gel'fand and A. M. Yaglom). (In Russian.)
- [268] Probability theory. In *Mathematics, Its Content, Methods and Meaning* **2** 252–284. Izd. Akad. Nauk SSSR. [In Russian; translation *Trans. Math. Monographs* **1**, Part 4 (1963).]
- [269] S. M. Nikol'skii (on the occasion of his fiftieth birthday). *Uspekhi Mat. Nauk* **11** (2) 239–244 (with S. B. Stechkin). (In Russian.)
- [270] Evgenii Borisovich Slutskii. *Large Soviet Encyclopedia*, 2nd ed. **39** 378. (In Russian.)
- [271] Nikolai Vasil'evich Smirnov. *Large Soviet Encyclopedia*, 2nd ed. **39** 406. (In Russian.)

1957

- [272] The theory of transmission of information. In *Session of the USSR Academy of Sciences on Scientific Problems of Automating Production, Oct. 15–20, 1956, Plenary Meetings* 66–99. Izd. Akad. Nauk SSSR, Moscow. (In Russian.)
- [273] On the representation of continuous functions of many variables by superposition of continuous functions of one variable and addition. *Dokl. Akad. Nauk SSSR* **114** 953–956. [In Russian; translation *Amer. Math. Soc. Transl. (2)* **28** 55–59 (1963).]
- [274] On the foundation of the theory of real numbers. *Mat. Prosveshchenie* **2** 169–173. (In Russian.)

1958

- [275] *Mathematics as a Profession*, 2nd ed. Izd. Moskov. Gos. Univ., Moscow. (In Russian.)
- [276] The amount of information and entropy for continuous distributions. In *Proc. of the Third All-Union Mathematical Congress* **3** 300–320. Izd. Akad. Nauk SSSR, Moscow (with I. M. Gel'fand and A. M. Yaglom). (In Russian.)
- [277] Sufficient statistic. *Large Soviet Encyclopedia*, 2nd ed. **51** 106. (In Russian.)
- [278] Information. *Large Soviet Encyclopedia*, 2nd ed. **51** 129–130. (In Russian.)
- [279] Cybernetics. *Large Soviet Encyclopedia*, 2nd ed. **51** 149–151. (In Russian.)
- [280] A new metric invariant of transitive dynamical systems and automorphisms of Lebesgue spaces. *Dokl. Akad. Nauk SSSR* **119** 861–864. (In Russian.)
- [281] Sur les propriétés des fonctions de concentrations de M. P. Lévy. *Ann. Inst. H. Poincaré Sect. B* **16** 27–34.
- [282] On the linear dimensionality of topological vector spaces. *Dokl. Akad. Nauk SSSR* **120** 239–241. (In Russian.)
- [283] On the definition of an algorithm. *Uspekhi Mat. Nauk* **13** (4) 3–28 (with V. A. Uspenskii). [In Russian; translation *Amer. Math. Soc. Transl. (2)* **29** 217–245 (1963).]

1959

- [284] On entropy per unit of time as a metric invariant of automorphisms. *Dokl. Akad. Nauk SSSR* **124** 754–755. (In Russian.)
- [285]  $\epsilon$ -entropy and  $\epsilon$ -capacity of sets in a functional space. *Uspekhi Mat. Nauk* **14** (2) 3–86 (with V. M. Tikhomirov). [In Russian; translation *Amer. Math. Soc. Transl. (2)* **17** 277–364 (1961).]
- [286] The transition of branching processes into diffusion processes and associated problems of genetics. *Theory Probab. Appl.* **4** 218–220.
- [287] A note on the papers of R. A. Minlos and V. V. Sazonov. *Theory Probab. Appl.* **4** 221–223.
- [288] Probability theory. In *Forty Years of Mathematics in the USSR* **1** 781–795. Fizmatgiz, Moscow. (In Russian.)

- [289] Preface to *An Introduction to Cybernetics*, by W. R. Ashby 5–8. Izd. Inostr. Lit., Moscow. (In Russian.)

1960

- [290] The work of S. N. Bernshtein on probability theory (on his eightieth birthday). *Theory Probab. Appl.* **5** 197–203 (with O. V. Sarmanov).
- [291] On strong mixing conditions for stationary Gaussian processes. *Theory Probab. Appl.* **5** 204–208 (with Yu. A. Rozanov).
- [292] On the  $\Phi^{(n)}$  classes of Fortet and Blanc-Lapierre. *Theory Probab. Appl.* **5** 337.
- [293] Random functions of several variables whose realizations are almost all periodic. *Theory Probab. Appl.* **5** 338.
- [294] On the works of N. V. Smirnov in mathematical statistics (on his sixtieth birthday). *Theory Probab. Appl.* **5** 397–401 (with B. V. Gnedenko, Yu. V. Prokhorov and O. V. Sarmanov).
- [295] Academician Aleksandr Yakovlevich Khinchin (1894–1959). Obituary. *Russian Math. Surveys* **15** (4) 93–106 (with B. V. Gnedenko).
- [296] *Mathematics as a Profession*, 3rd ed. Izd. Moskov. Gos. Univ., Moscow. (In Russian.)
- [297] *Elements of the Theory of Functions and Functional Analysis 2: Measure, the Lebesgue Integral and Hilbert Space*. Izd. Moskov. Gos. Univ., Moscow (with S. V. Fomin). (In Russian; English ed., 1961, Graylock, Albany, N. Y.)

1961

- [298] Automata and life. Report, read at methodological seminar of Faculty of Mathematics and Mechanics, Moscow State Univ., April 5, 1961. *Mash. Per. i Prikl. Lingvist.* No. 6, 3–8. (In Russian.)
- [299] Automata and life. *Tekhnika Molodezhi* No. 10, 16–19; No. 11, 30–33. (In Russian.)
- [300] Remark on the report of V. S. Lezerson. *Theory Probab. Appl.* **6** 336.
- [301] Properties of inequalities and the concept of approximation. Irrational numbers. In *Issues of Teaching Mathematics in the Secondary School*. Ichpedgiz, Moscow (with P. S. Aleksandrov). (In Russian; reprinting of [123, 124].)

1962

- [302] A probability problem of optimal control. *Soviet Math. Dokl.* **3** 1143–1145 (with E. F. Mishchenko and L. S. Pontryagin).
- [303] The rhythmicity of Mayakovskii's poems. *Vopr. Yazykoznanitya* No. 3, 62–74 (with A. M. Kondratov). (In Russian.)
- [304] Evaluation of the parameters of a complex stationary Gauss-Markov process. *Soviet Math. Dokl.* **3** 1368–1371 (with M. Arato and Ya. G. Sinai).
- [305] B. V. Gnedenko's work in probability theory (on the occasion of his fiftieth birthday). *Theory Probab. Appl.* **7** 313–319.
- [306] Précisions sur la structure locale de la turbulence dans un fluide visqueux aux nombres de Reynolds élevés. In *Mécanique de la turbulence, Colloq. Internat. Marseille, Aug.–Sept., 1961* 447–458. CNRS, Paris.
- [307] A refinement of previous hypotheses concerning the local structure of turbulence in an incompressible fluid at high Reynolds number. *J. Fluid Mech.* **13** 82–85.

1963

- [308] On the approximation of distributions of sums of independent terms by infinitely divisible distributions. *Trudy Moskov. Mat. Obshch.* **12** 437–451. [In Russian; translation *Sankhyā Ser. A* **25** 159–174 (1963).]
- [309] Discrete automata and finite algorithms. In *Works of the Fourth All-Union Mathematical Congress* **1** 120. Izd. Leningrad. Gos. Univ., Leningrad. (In Russian.)
- [310] Various approaches to an estimate of the difficulty of an approximate definition and calculation of functions. In *Proc. Internat. Congress of Mathematicians, Stockholm, 1962* 351–356. (In Russian.)
- [311] On tables of random numbers. *Sankhyā Ser. A* **25** 369–375.

- [312] On study of the rhythmic of Mayakovskii. *Vopr. Yazykoznaniiya* No. 4, 64–71. (In Russian.)
- [313] On contemporary Russian poetry: General characteristics. *Vopr. Yazykoznaniiya* No. 6, 84–95 (with A. V. Prokhorov). (In Russian.)
- [314] Statistics and probability theory in the study of Russian versification. In *Abstracts and Notes from the Symposium on Comprehensive Study of Creative Art* 23. Nauka, Leningrad (with A. V. Prokhorov). (In Russian.)
- [315] How I became a mathematician. *Ogonek* No. 48, 12–13. (In Russian.)
- [316] Preface to *Papers on Information Theory and Cybernetics*, by C. E. Shannon. Izd. Inostr. Lit., Moscow. (In Russian.)

1964

- [317] On contemporary Russian poetry: Statistical characteristics of portions of Mayakovskii, Bagritskii and Akhmatova. *Vopr. Yazykoznaniiya* No. 1, 75–94 (with A. V. Prokhorov). (In Russian.)
- [318] On the meter of Pushkin's *Songs of the Western Slavs*. *Russkaya Literatura* No. 1, 98–111. (In Russian.)
- [319] Preface to translation of *An Introduction to Probability Theory and Its Applications* 1, 2nd ed., by W. Feller 5–6. Mir, Moscow. (In Russian.)

1965

- [320] Three approaches to the definition of quantity of information. *Problems Inform. Transmission* 1 (1) 1–7.
- [321] The extent of knowledge of mathematics for secondary schools. The Commission on Mathematical Education of the Mathematical Section of the USSR Academy of Sciences. *Mat. v Shkole* No. 2, 21–24. (In Russian.)
- [322] Geometrical mappings in a school geometry course. *Mat. v Shkole* No. 2, 24–29. (In Russian.)
- [323] On the contents of a school mathematics course. *Mat. v Shkole* No. 4, 53–62 (with I. M. Yaglom). (In Russian.)
- [324] Functions, graphs and continuous functions. *Mat. v Shkole* No. 6, 12–21. (In Russian.)
- [325] Remarks on the analysis of the rhythm of Mayakovskii's *Poem about a Soviet Passport*. *Vopr. Yazykoznaniiya* No. 3, 70–75. (In Russian.)
- [326] Natural numbers and positive scalar quantities. In *The Mathematical School. Lectures and Problems* 4–5 19–35. Izd. Moskov. Gos. Univ., Moscow. (In Russian.)

1966

- [327] *Introduction to Analysis*. Izd. Moskov. Gos. Univ., Moscow. (In Russian.)
- [328] P. S. Aleksandrov and the theory of  $\delta S$ -operations. *Russian Math. Surveys* 21 (4) 247–250.
- [329] Textbooks for the 1966–67 academic year. *Mat. v Shkole* No. 2, 26–30. (In Russian.)
- [330] A school definition of identity. *Mat. v Shkole* No. 2, 33–35. (In Russian.)
- [331] Introduction to the paper “On the experience of an early introduction to differentiation,” by S. B. Suvorova. *Mat. v Shkole* No. 4, 23. (In Russian.)
- [332] Textbooks for the 1966–67 academic year: *Mat. v Shkole* No. 6, 31–37. (In Russian.)
- [333] Geometry on the sphere and geology. *Nauka i Zhizn'* No. 2, 32. (In Russian.)
- [334] A problem from the theory of curves. In *The Mathematical School. Lectures and Problems* 8 35. Izd. Moskov. Gos. Univ., Moscow. (In Russian.)

1967

- [335] On the realization of networks in three-dimensional space. *Problemy Kibernet.* 19 261–268 (with Ya. M. Barzdin'). (In Russian.)
- [336] Textbooks for the 1966–67 academic year. *Mat. v Shkole* No. 1, 43–48. (In Russian.)
- [337] An additional curriculum for mathematics. *Mat. v Shkole* No. 2, 2–3. (In Russian.)
- [338] New programs and some basic problems in perfecting a secondary school mathematics course. *Mat. v Shkole* No. 2, 4–13. (In Russian.)
- [339] Contents of the additional mathematics curriculum for the 1967–68 and 1968–69 school years. *Mat. v Shkole* No. 2, 33–38. (In Russian.)

- [340] Programs of special courses in mathematics. *Mat. v Shkole* No. 3, 73–75. (In Russian.)
- [341] Programs of special courses in mathematics. *Mat. v Shkole* No. 4, 58–59. (In Russian.)
- [342] On modifications of the school algebra textbook for grades 6–8 by A. N. Barsukov. *Mat. v Shkole* No. 6, 22–24. (In Russian.)

1968

- [343] A few theorems on algorithmic entropy and algorithmic precision of information. *Uspekhi Mat. Nauk* 23 (2) 201. (In Russian.)
- [344] The plan of the program in mathematics for the secondary school. *Mat. v Shkole* No. 1, 4–23. (In Russian.)
- [345] The general concepts of powers and the exponential function. *Mat. v Shkole* No. 1, 24–32. (In Russian.)
- [346] The program in mathematics for the secondary school. *Mat. v Shkole* No. 2, 5–20. (In Russian.)
- [347] New programs for mathematics. *Mat. v Shkole* No. 2, 21–22. (In Russian.)
- [348] On studying the exponential function and logarithms in secondary school. *Mat. v Shkole* No. 2, 23–25. (In Russian.)
- [349] Introduction to probability theory and combinatorial analysis. *Mat. v Shkole* No. 2, 63–72. (In Russian.)
- [350] Supplement to the review by Yu. A. Shikhanovich of the book by A. A. Stolyar. *Mat. v Shkole* No. 3, 92. (In Russian.)
- [351] *Elements of the Theory of Functions and Functional Analysis*, 2nd rev. ed. Fizmatgiz, Moscow (with S. V. Fomin). (In Russian.)
- [352] On the basis of the Russian classical meter. In *Symp. on the Sciences and Hidden Creativity* 397–432. Iskusstvo, Moscow (with A. V. Prokhorov). (In Russian.)
- [353] An example of the study of meter and its metrical variation. In *The Theory of Verse* 145–167. Nauka, Leningrad. (In Russian.)

1969

- [354] On the logical foundations of information theory and probability theory. *Problems Inform. Transmission* 5 (3) 1–4.
- [355] Sergei Natanovich Bernshtein. Obituary. *Russian Math. Surveys* 24 (3) 169–176 (with N. I. Akhiezer, P. S. Aleksandrov and B. V. Gnedenko).
- [356] Letter to the editor (on inaccuracies in the paper of B. E. Veits). *Mat. v Shkole* No. 2, 93. (In Russian.)
- [357] Scientific foundations for a school mathematics course. First lecture. Contemporary views on the nature of mathematics. *Mat. v Shkole* No. 3, 12–17. (In Russian.)
- [358] Scientific foundations for a school mathematics course. Second lecture. Natural numbers. *Mat. v Shkole* No. 5, 8–17. (In Russian.)
- [359] New developments in school mathematics. *Nauka i Zhizn'* No. 3, 62–66. (In Russian.)

1970

- [360] Viktor Nikolaevich Zasukhin: In memory of mathematicians who fell in the Great Patriotic War. *Russian Math. Surveys* 25 (3) 179.
- [361] Gleb Aleksandrovich Seliverstov. Obituary. *Russian Math Surveys* 25 (3) 180–181.
- [362] Scientific foundations for a school mathematics course. Third lecture. General concept of number, positive rational numbers. *Mat. v Shkole* No. 3, 27–32. (In Russian.)
- [363] On an experimental textbook on geometry for the sixth grade. *Mat. v Shkole* No. 4, 21–34 (with A. F. Semenovich). (In Russian.)
- [364] Teaching materials for fifth grade geometry. *Mat. v Shkole* No. 5, 30–45 (with R. S. Cherkasov and A. F. Semenovich). (In Russian.)
- [365] What is a function? *Kvant* No. 1, 27–36. (In Russian.)
- [366] Problem No. 3. *Kvant* No. 1, 52–53. (In Russian.)
- [367] What is the graph of a function? *Kvant* No. 2, 3–13. (In Russian.)

- [368] Tessellation with regular polygons. *Kvant* No. 3, 24–27. (In Russian.)  
 [369] Preface to the paper “Mathematical concepts and Lenin’s theory of cognition,” by V. G. Boltyanskii and N. Kh. Rozov. *Kvant* No. 7, 2. (In Russian.)  
 [370] On the solution of Hilbert’s tenth problem. *Kvant* No. 7, 39–44 (with F. L. Varpakhovskii). (In Russian.)

1971

- [371] Quantity. *Large Soviet Encyclopedia*, 3rd ed. 4 456–457. (In Russian.)  
 [372] Norbert Wiener. *Large Soviet Encyclopedia*, 3rd ed. 5 72. (In Russian.)  
 [373] David Hilbert. *Large Soviet Encyclopedia*, 3rd ed. 6 519. (In Russian.)  
 [374] A system of basic concepts and notation for a school mathematics course. *Mat. v Shkole* No. 2, 17–22. (In Russian.)  
 [375] From an experimental textbook on geometry for the seventh grade. *Mat. v Shkole* No. 3, 9–17 (with A. F. Semenovich, R. S. Cherkasov and F. F. Nagibin). (In Russian.)  
 [376] Review of the report “Elements of logic in the modern school.” (From the Commission on Mathematics of the Teaching Methodology Council of the USSR Ministry of Education. *Mat. v Shkole* No. 3, 91. (In Russian.)  
 [377] On the new edition of the experimental textbook on geometry for the sixth grade. *Mat. v Shkole* No. 4, 23–36 (with A. F. Semenovich, R. S. Cherkasov and F. F. Nagibin). (In Russian.)  
 [378] On the new edition of the experimental textbook on geometry for the sixth grade. *Mat. v Shkole* No. 5, 25–38 (with A. F. Semenovich, R. S. Cherkasov and F. F. Nagibin). (In Russian.)  
 [379] Modern mathematics and mathematics in the secondary school. *Mat. v Shkole* No. 6, 2–3. (In Russian.)  
 [380] From a new instructional aid for geometry for the sixth grade. Geometrical constructions. *Mat. v Shkole* No. 6, 13–21 (with A. F. Semenovich, R. S. Cherkasov and F. F. Nagibin). (In Russian.)  
 [381] *The Mathematics Course for the Physics and Mathematics Schools*. Izd. Moskov. Gos. Univ., Moscow (with V. A. Gusev, A. A. Shershevskii and A. V. Sosinskii). (In Russian.)  
 [382] *The Summer School at Lake Rubskoe*. Prosveshchenie, Moscow. (In Russian.)  
 [383] Letter to P. S. Kapitsa. *Voprosy Filosofii* No. 9. (In Russian.)

1972

- [384] The complexity of the formulation and construction of mathematical objects. *Uspekhi Mat. Nauk* 27 (2) 159. (In Russian.)  
 [385] Integral. *Large Soviet Encyclopedia*, 3rd ed. 10 586. (In Russian.)  
 [386] The method of exhaustion. *Large Soviet Encyclopedia*, 3rd ed. 10 586. (In Russian.)  
 [387] *Elements of the Theory of Functions and Functional Analysis*, 3rd rev. ed. Fizmatgiz, Moscow (with S. V. Fomin). (In Russian.)  
 [388] Scientific guide. In *Happiness of Discovery*, by L. Neiman. Detskaya Literatura, Moscow. (In Russian.)  
 [389] A qualitative study of mathematical models of the dynamics of populations. *Problemy Kibernet.* 25 (2) 101–106. (In Russian.)  
 [390] From a new textbook on geometry for the sixth grade. *Mat. v Shkole* No. 1, 22–31 (with A. F. Semenovich, R. S. Cherkasov and F. F. Nagibin). (In Russian.)  
 [391] Boris Vladimirovich Gnedenko. *Mat. v Shkole* No. 1, 85–86 (with R. S. Cherkasov). (In Russian.)  
 [392] On the letter “Equality or congruence,” by V. Ya. Vilenkin. *Mat. v Shkole* No. 6, 34–35. (In Russian.)  
 [393] Concordance of instruction in mathematics and physics. In *The All-Union Scientific-Practical Conference on Issues of Methodology in the Schools and Classes Devoted to In-depth Study of Specific Subjects. Abstracts*. NII SIMO Akad. Ped. Nauk SSSR, Moscow. (Mimeographed; in Russian.)

1973

- [394] Continuum. *Large Soviet Encyclopedia*, 3rd ed. 13 64. (In Russian.)
- [395] Mathematics as a profession. *Kvant* No. 4, 12. (In Russian.)
- [396] Semilogarithmic and logarithmic grids. *Kvant* No. 13, 64. (In Russian.)
- [397] On the methodology of studying the topic "parallel shift" in the geometry course for the seventh grade. *Mat. v Shkole* No. 1, 24–29 (with R. S. Cherkasov and A. F. Semenovich). (In Russian.)
- [398] On the structure of the new geometry textbook for the seventh grade. *Mat. v Shkole* No. 2, 17–29 (with R. S. Chersakov and A. F. Semenovich). (In Russian.)
- [399] Ivan Georgievich Petrovskii. *Mat. v Shkole* No. 4 81–86 (with P. S. Aleksandrov and O. A. Oleinik). (In Russian.)
- [400] Scientific foundations of the school course in mathematics. In ser. *Programs of the Pedagogical Institutes*. Prosveshchenie, Moscow. (In Russian.)
- [401] Methodological remarks on the experimental textbook for the ninth grade, *Algebra and the Beginnings of Analysis*. *Mat. v Shkole* No. 5, 64 (with I. T. Demidov and B. E. Veits). (In Russian.)
- [402] Materials for consideration in the Commission on School Terminology and Notation UMS MP SSSR. (Mimeographed; in Russian.)

1974

- [403] *Foundations of the Theory of Probability*, 2nd ed. Nauka, Moscow. (In Russian.)
- [404] In memoriam Ivan Georgievich Petrovskii (January 18, 1901–January 15, 1973). *Trudy Moskov. Mat. Obshch.* 31 5–16 (with P. S. Aleksandrov and O. A. Oleinik). (In Russian.)
- [405] Ivan Georgievich Petrovskii. *Russian Math. Surveys* 29 (2) 3–5.
- [406] Andrei Andreevich Markov. *Large Soviet Encyclopedia*, 3rd ed. 15 379. (In Russian.)
- [407] Mathematics. *Large Soviet Encyclopedia*, 3rd ed. 15 467–478. (In Russian.)
- [408] Mathematical statistics. *Large Soviet Encyclopedia*, 3rd ed. 15 480–484 (with Yu. V. Prokhorov). (In Russian.)
- [409] Multidimensional space. *Large Soviet Encyclopedia*, 3rd ed. 16 372. (In Russian.)
- [410] Orientation. *Large Soviet Encyclopedia*, 3rd ed. 18 509–510. (In Russian.)
- [411] Nurturing a worthy new generation. *Vestnik Vysshei Shkoly* No. 6, 26–33 (with K. V. Chernyshev and I. T. Tropin). (In Russian.)
- [412] New programs: Specialized schools. In *Mathematical Education Today* 5–12. Prosveshchenie, Moscow. (In Russian.)
- [413] The boarding school at the university. What is it for? *Mat. v Shkole* No. 2, 56–60. In section "The first ten years of the Physics and Mathematics School at Moscow State University." (In Russian.)
- [414] Anna Maksimilianovna Fisher. Obituary. *Mat. v Shkole* No. 2, 87 (with A. F. Semenovich). (In Russian.)
- [415] The sieve of Eratosthenes. *Kvant* No. 10, 2. (In Russian.)

1975

- [416] Acceptance statistical control. *Large Soviet Encyclopedia*, 3rd ed. 20 572–573 (with Yu. K. Belyaev). (In Russian.)
- [417] Algebra and the elements of analysis. The method of mathematical induction. *Mat. v Shkole* No. 1, 8–14 (with S. I. Shvartsburd). (In Russian.)
- [418] The elements of combinatorics. *Mat. v Shkole* No. 2, 16–25. (In Russian.)
- [419] Real numbers, infinite sequences and their limits. *Mat. v Shkole* No. 2, 25–35 (with O. S. Ivashev-Musatov). (In Russian.)

1976

- [420] *Elements of the Theory of Functions and Functional Analysis*, 4th rev. ed. Nauka, Moscow (with S. V. Fomin). (In Russian.)

- [421] Trigonometric functions, their graphs and derivatives in the textbook for the tenth grade. *Mat. v Shkole* No. 1, 10–25 (with S. I. Shvartsburd). (In Russian.)
- [422] The 38th Moscow Mathematical Olympiad (February–March 1975). *Mat. v Shkole* No. 4, 68–72 (with G. A. Gal'perin). (In Russian.)
- [423] The integral in the textbook for the tenth grade. *Mat. v Shkole* No. 6, 15–17. (In Russian.)
- [424] Groups of transformations. *Kvant* No. 10, 2–5. (In Russian.)

1977

- [425] Infinity. *Encyclopedia of Mathematics* 1 455–458. (In Russian.)
- [426] Quantity. *Encyclopedia of Mathematics* 1 651–653. (In Russian.)
- [427] Probability. *Encyclopedia of Mathematics* 1 667–669. (In Russian.)
- [428] The Physics and Mathematics School at the M. V. Lomonosov Moscow State University. *Kvant* No. 1, 56–57 (with V. V. Vavilov). (In Russian.)

1978

- [429] What is a function (in regard to the paper “Understanding functions in mathematics and in school,” by G. V. Dorofeev)? *Mat. v Shkole* No. 2, 27–29. (In Russian.)
- [430] On inculcating the dialectic materialist Weltanschauung in mathematics and physics lessons. *Mat. v Shkole* No. 3, 6–9. (In Russian.)
- [431] The plan of the program for mathematics for the secondary school. *Mat. v Shkole* No. 4, 7–32. (In Russian.)
- [432] Sergei L'vovich Sobolev (on his seventieth birthday). *Mat. v Shkole* No. 6, 67–73 (with O. A. Oleinik). (In Russian.)
- [433] New programs of the specialized French secondary school. *Mat. v Shkole* No. 6, 74–78 (with A. M. Abramov). (In Russian.)
- [434] How I became a mathematician. What is mathematics? In *Science in Your Profession* 11 5–9. Znanie, Moscow. (In Russian.)
- [435] Estimates of the spectral functions of random processes. Abstract of paper at the Eleventh European Conference on Statistics, Oslo, April 14–18, 1978 36 (with I. G. Zhurbenko).
- [436] On the formulation of the dialectic materialist Weltanschauung of schoolchildren in mathematics and physics lessons. In *The Role of School Methodology in the Formulation of the Weltanschauung of Schoolchildren* 69–74. Pedagogika, Moscow. (In Russian.)

1979

- [437] Linear sampling estimates of sums. *Theory Probab. Appl.* 24 241–252 (with A. V. Bulinskii).
- [438] The first fifteen years of the Physics and Mathematics School at Moscow State University. *Kvant* No. 1, 55–57 (with I. T. Tropin and V. V. Vavilov). (In Russian.)
- [439] On the textbook *Geometry*, 6–8. *Mat. v Shkole* No. 3, 38–42 (with R. S. Cherkasov and A. F. Semenovich). (In Russian.)
- [440] Exponential and logarithmic functions. *Mat. v Shkole* No. 6, 22–27 (with A. M. Abramov, O. S. Ivashev-Musatov, B. M. Ivlev and S. I. Shvartsburd). (In Russian.)
- [441] Aleksei Ivanovich Markushevich. Obituary. *Mat. v Shkole* No. 6, 77–78 (with V. D. Beloyusov, V. G. Boltyanskii et al.). (In Russian.)

1980

- [442] The dialectic materialist Weltanschauung in school courses in mathematics and physics. *Kvant* No. 4, 15–18. (In Russian.)
- [443] On the textbook *Algebra and the Beginnings of Analysis*, 9–10. *Mat. v Shkole* No. 4, 18–21 (with A. M. Abramov, O. S. Ivashev-Musatov, B. M. Ivlev and S. I. Shvartsburd). (In Russian.)

1981

- [444] *Elements of the Theory of Functions and Functional Analysis*, 5th ed. Nauka, Moscow (with S. V. Fomin). (In Russian.)



- [445] *The School of Physics and Mathematics at Moscow State University*. Izd. Moskov. Gos. Univ., Moscow (with I. T. Tropin and V. V. Vavilov). (In Russian.)
- [446] *Geometry for Grades 6–8: Textbook*, 3rd ed. Prosveshchenie, Moscow (with R. S. Cherkasov and A. F. Semenovich). (In Russian.)
- [447] Izabella Grigor'evna Bashmakova. *Mat. v Shkole* No. 1, 73–74 (with P. S. Aleksandrov, S. S. Demidov, B. V. Gnedenko, S. S. Petrov, K. A. Rybnikov and A. P. Yushkevich). (In Russian.)
- [448] On the notion of a vector in the secondary school course. *Mat. v Shkole* No. 3, 7–8. (In Russian.)
- [449] On the problem of taking the first steps on the topic “Vectors”. *Mat. v Shkole* No. 3, 8–11 (with A. M. Abramov). (In Russian.)
- [450] Review of *Analysis of Infinitesimals*, by L. S. Pontryagin. *Mat. v Shkole* No. 5, 73–74. (In Russian.)

1982

- [451] *Introduction to Mathematical Logic*. Izd. Moskov. Gos. Univ., Moscow (with A. G. Dragalin). (In Russian.)
- [452] *Introduction to Probability Theory*. *Kvant Library* 23. Nauka, Moscow (with I. G. Zhurbenko and A. V. Prokhorov). (In Russian.)
- [453] Mathematics. *Encyclopedia of Mathematics* 3 576–581 (with Yu. V. Prokhorov). (In Russian.)
- [454] Boris Vladimirovich Gnedenko (on his seventieth birthday). *Mat. v Shkole* No. 1, 72–73 (with R. S. Cherkasov). (In Russian.)
- [455] Leonid Vital'evich Kantorovich (on his seventieth birthday). *Mat. v Shkole* No. 2, 77–78 (with V. A. Zalgaller). (In Russian.)
- [456] On understanding the concept of limit in the standard secondary school. *Mat. v Shkole* No. 5, 56. (In Russian.)
- [457] Newton and modern mathematical thinking. *Mat. v Shkole* No. 6, 58. (In Russian.)

1983

- [458] *Algebra and the Elements of Analysis: A Textbook for Grades 9 and 10 of the Secondary School*, 4th ed. Prosveshchenie, Moscow (with A. M. Abramov, O. S. Ivashev-Musatov, S. I. Shvartsburd and B. E. Veits). (In Russian; 1st ed., 1980.)
- [459] Pavel Sergeevich Aleksandrov. *Mat. v Shkole* No. 1, 47–48 (with B. V. Gnedenko). (In Russian.)
- [460] On the textbook *Geometry*, by A. V. Pogorelov. *Mat. v Shkole* No. 2, 45. (In Russian.)
- [461] Combinatorial foundations of information theory and the calculus of probability. *Russian Math. Surveys* 38 (4) 29–40.
- [462] On logical foundations of probability theory. *Probability Theory and Mathematical Statistics. Lecture Notes in Math.* 1021 1–5. Springer, New York.

1984

- [463] Remarks on understanding of the concept of set in a school mathematics course. *Mat. v Shkole* No. 1, 52–53. (In Russian.)
- [464] S. L. Sobolev and modern mathematics. *Mat. v Shkole* No. 1, 73–77 (with O. A. Oleinik). (In Russian.)
- [465] Analysis of the metrical structure of the poem *Arion* by Pushkin. In *Problems of the Theory of Verse* 118–120. Nauka, Leningrad. (In Russian.)

1985

- [466] A model of the rhythmic structure of Russian speech, adapted to the study of the meter of classical Russian verse. In *Russian Versification. Traditions and Problems of Development* 113–134. Nauka, Moscow. (In Russian.)
- [467] *Selected Works. Mathematics and Mechanics*. Nauka, Moscow. (In Russian.)

- [468] A new metric invariant of transitive dynamical systems and automorphisms of Lebesgue spaces. *Trudy Mat. Inst. Steklov.* **169** 94–98. (In Russian; revision of [280].)

1986

- [469] On scalar quantities. *Mat. v Shkole* No. 3, 32–33. (In Russian.)  
 [470] Reminiscences about P. S. Aleksandrov. *Russian Math. Surveys* **41** (6) 225–246.  
 [471] *Selected Works. Probability Theory and Mathematical Statistics.* Nauka, Moscow. (In Russian.)  
 [472] Preface to *The Law of Large Numbers*, by J. Bernoulli. Nauka, Moscow. (In Russian.)

1987

- [473] *Selected Works. Information Theory and the Theory of Algorithms.* Nauka, Moscow. (In Russian.)  
 [474] Welcoming speech by Andrei Nikolaevich Kolmogorov to the participants of the First World Congress of the Bernoulli Society. *Theory Probab. Appl.* **32** 200.  
 [475] Algorithms and randomness. *Theory Probab. Appl.* **32** 389–412 (with V. A. Uspenskii).

1988

- [476] *Mathematics: Science and Profession. Kvant Library* **64**. Nauka, Moscow (with G. A. Gal'perin). (In Russian.)  
 [477] Probabilistic and statistical methods of discovery of spontaneously arising effects. *Trudy Mat. Inst. Steklov.* **182** 4–23 (with Yu. V. Prokhorov and A. N. Shiryaev). (In Russian.)

1949

- [478] Absolute geometry. *Large Soviet Encyclopedia*, 2nd ed. 1 33. (In Russian.)

1950

- [479] Analysis of infinitesimals. *Large Soviet Encyclopedia*, 2nd ed. 2 325–326. (In Russian.)

1951

- [480] The work of I. M. Gel'fand in algebraic questions of functional analysis. *Uspekhi Mat. Nauk* **6** (4) 184–186. (In Russian.)  
 [481] The work of N. V. Smirnov on the investigation of properties of order statistics and on nonparametric problems of mathematical statistics. *Uspekhi Mat. Nauk* **6** (4) 190–192. (In Russian.)

1952

- [482] Geodesic coordinates. *Large Soviet Encyclopedia*, 2nd ed. **10** 486. (In Russian.)  
 [483] Graphics. *Large Soviet Encyclopedia*, 2nd ed. **12** 453. (In Russian.)  
 [484] A theorem on the convergence of conditional mathematical expectations and some of its applications. In *Comptes Rendus du Premier Congrès des Mathématiciens Hongrois, 27 Août–2 Septembre 1950* 367–386. Akadémiai Kiadó, Budapest. (In Russian.)

1954

- [485] On a new variant of M. A. Velikanov's gravitational theory of motion of suspended sediment. *Vestnik Moskov. Univ. Ser. Fiz.-Mat. Estest. Nauk* **9** (3) 41–45. (In Russian.)

1958

- [486] Mark Grigor'evich Krein (on his fiftieth birthday). *Uspekhi Mat. Nauk* **13** (3) 213–224 (with M. A. Krasnosel'skii). (In Russian.)
- [487] Dimension linéaire des espaces vectoriels topologiques. Séminaire Bourbaki; 10e année 1957/1958. Textes des conférences; Exposés 152 à 168; 2e éd. corrigée, Exposé 165. Secrétariat mathématique, Paris.

1962

- [488] Boris Vladimirovich Gnedenko (on his fiftieth birthday). *Russian Math. Surveys* **17** (4) 105–113 (with I. I. Gikhman and V. S. Korolyuk).
- [489] Book review of *Mathematical Statistics in Engineering*, 3rd ed., by A. M. Dlin. *Theory Probab. Appl.* **7** 230–235 (with S. A. Aivazyan, L. D. Meshalkin and V. F. Pisarenko).

1964

- [490] Izrail' Moiseevich Gel'fand (on his fiftieth birthday). *Russian Math. Surveys* **19** (3) 163–180 (with S. V. Fomin, G. E. Shilov and M. I. Vishik).

1966

- [491] Pavel Sergeevich Aleksandrov. *Russian Math. Surveys* **21** (4) 4–7 (with S. V. Fomin, L. A. Lyusternik, Yu. M. Smirnov and A. N. Tikhonov).

1967

- [492] Igor' Vladimirovich Girsanov. *Theory Probab. Appl.* **12** 482–486 (with E. B. Dynkin, M. I. Freidlin and B. T. Polyak).

1968

- [493] Logical basis for information theory and probability theory. *IEEE Trans. Inform. Theory* **IT-14** 662–664.
- [494] Three approaches to the quantitative definition of information. *Internat. J. Comput. Math.* **2** 157–168.

1969

- [495] Sergei Natanovich Bernshtein. *Theory Probab. Appl.* **14** 115–123 (with Yu. V. Linnik, Yu. V. Prokhorov and O. V. Sarmanov).

1970

- [496] *Geometry for the Sixth Grade, an Experimental Textbook*. Prosveshchenie, Moscow (with A. F. Semenovich and R. S. Cherkasov). (In Russian.)

1971

- [497] Ivan Georgievich Petrovskii (on his seventieth birthday). *Russian Math. Surveys* **26** (2) 5–28 (with P. S. Aleksandrov, V. I. Arnol'd, I. M. Gel'fand, S. P. Novikov and O. A. Oleinik).
- [498] Ivan Georgievich Petrovskii (on his seventieth birthday). *Vestnik Moskov. Univ. Ser. I Mat. Mekh.* **26** (1) 111–117 (with P. S. Aleksandrov, O. A. Oleinik, A. N. Tikhonov and M. I. Vishik). (In Russian.)
- [499] Naum Il'ich Akhiezer (on his seventieth birthday). *Russian Math. Surveys* **26** (6) 233–237 (with Yu. M. Berezanskii, M. G. Krein, B. Ya. Levin, B. M. Levitan and V. O. Marchenko).
- [500] *Geometry for the Sixth Grade*. Prosveshchenie, Moscow (with A. F. Semenovich, R. S. Cherkasov and F. F. Nagibin). (In Russian.)

- [501] *Geometry for the Seventh Grade, an Experimental Textbook*. Prosveshchenie, Moscow (with A. F. Semenovich, R. S. Cherkasov and F. F. Nagibin). (In Russian.)

1972

- [502] Georgii Pavlovich Tolstov (on his sixtieth birthday). *Russian Math. Surveys* **27** (1) 207–217 (with V. Ya. Kozlov, D. E. Men'shov and I. Ya. Verchenko).
- [503] Dmitrii Evgen'evich Men'shov (on his eightieth birthday). *Russian Math. Surveys* **27** (2) 161–171 (with P. S. Aleksandrov and P. L. Ul'yanov).
- [504] Boris Vladimirovich Gnedenko (on his sixtieth birthday). *Russian Math. Surveys* **27** (2) 173–179 (with Yu. K. Belyaev and A. D. Solov'ev).
- [505] Leonid Vital'evich Kantorovich (on his sixtieth birthday). *Russian Math. Surveys* **27** (3) 193–201 (with D. K. Faddeev et al.).
- [506] Georgii Fedorovich Rybkin (1903–1972). Obituary. *Russian Math. Surveys* **27** (5) 165–167 (with P. S. Aleksandrov et al.).
- [507] *Geometry for the Eighth Grade, an Experimental Textbook*. Prosveshchenie, Moscow (with A. F. Semenovich, R. S. Cherkasov and F. F. Nagibin). (In Russian.)

1973

- [508] *Geometry for the Seventh Grade*, 2nd rev. ed. Prosveshchenie, Moscow (with A. F. Semenovich, R. S. Cherkasov and F. F. Nagibin). (In Russian.)

1974

- [509] *Geometry for the Eighth Grade*, 2nd rev. ed. Prosveshchenie, Moscow (with A. F. Semenovich, R. S. Cherkasov and V. A. Gusev). (In Russian.)

1975

- [510] Sergei Mikhailovich Nikol'skii (on his seventieth birthday). *Russian Math. Surveys* **30** (4) 193–202 (with V. K. Dzyadyk and L. D. Kudryavtsev).
- [511] Ol'ga Arsen'evna Oleinik. *Vestnik Moskov. Univ. Ser. I Mat. Mekh.* **30** (4) 118–124 (with P. S. Aleksandrov and S. L. Sobolev). (In Russian.)
- [512] Some considerations about the structure of mathematics textbooks. In *Issues of the School Textbook* **3** 14–17. Prosveshchenie, Moscow. (In Russian.)

1976

- [513] Georgii Evgen'evich Shilov. Obituary. *Russian Math. Surveys* **31** (1) 233–249 (with P. S. Aleksandrov et al.).
- [514] Tashmuhamed Alievich Sarymsakov (on his sixtieth birthday). *Russian Math. Surveys* **31** (2) 215–221 (with P. S. Aleksandrov, B. V. Gnedenko and Yu. V. Prokhorov).
- [515] In memory of Sergei Vasil'evich Fomin. *Russian Math. Surveys* **31** (4) 205–220 (with P. S. Aleksandrov et al.).
- [516] Pavel Sergeevich Aleksandrov (on his eightieth birthday). *Russian Math. Surveys* **31** (5) 1–13 (with A. V. Arkhangel'skii, A. A. Mal'tsev and O. A. Oleinik).
- [517] *Algebra and the Elements of Analysis. Textbook for the Tenth Grade*. Prosveshchenie, Moscow (with O. S. Ivashev-Musatov, B. M. Ivlev and S..I. Shvartsburd). (In Russian.)

1977

- [518] Adol'f Pavlovich Yushkevich (on his seventieth birthday). *Russian Math. Surveys* **32** (3) 145–153 (with I. G. Bashmakova et al.).