Curriculum vital

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Educational Institution

Institution	Period	Degree
Novosibirsk State Technical University	1964-1969	Engineer
Moscow State University	1973	
Novosibirsk State Technical University. Postgraduate studentship.	1976-1979	

Field of Interest:	Scientific interests lie in the area of computer methods of data analysis and statistical regularities research in the failure of classical assumptions. Applied mathematical statistics. Statistical analysis of non-grouped, grouped, partially grouped, censored and interval data. Distribution parameter estimation. Robust methods of estimation. Goodness-of-fit tests. Computer methods of research into statistical regularities.

Teaching Experience:

Institution	Period	Duty
Novosibirsk State Technical University	1980-1998	Applied Mathematics Department. Associate professor.
	1998-2013	Applied Mathematics Department. Professor. Dean of Faculty of Applied Mathematics and Computer Science.
	2013 - 2014	Applied Mathematics Department. Professor.
	2014 - present	Department of Theoretical and Applied Informatics

Research Experience:

Institution	Period	Position
Novosibirsk State Technical University	1993-1998	Head of Research Department
	01.02.2014 –	Applied Mathematics Department.

	31.08.2014	Chief Researcher.
	01.09.2014 – present	Department of Theoretical and Applied Informatics. Chief Researcher.

Candidate of technical sciences (1979).
Doctor of technical sciences (1997).
Honourable worker of higher education of the Russian Federation (2003).
Honourable worker of science and technics of the Russian Federation (2010)

Scientific grants:

1. "The statistical analysis of dependent and independent random variables in a geodesy". The Grant of the Ministry of Education of Russian Federation, 1996-1997 year.
2. "Computer methods of research into statistical regularities". The Grant of Russian Foundation for basic Research, 2000-2002 year, project no. 00-01-00913.
3. "Mathematical and algorithmic maintenance of problems of the statistical analysis of the data and researches of statistical regularities at infringement of classical assumptions". The Grant of the Ministry of Education of Russian Federation, 2003-2004 year.
4. "Mathematical modeling and research of statistic distributions of multivariate random variables". The Grant of the Ministry of Education of Russian Federation, 2003-2004 year.
5. "Development of computer technologies of imitation and research of fundamental laws of mathematical statistics". The Grant of the Ministry of Education and Sciences of Russian Federation, 2005 year.
6. "Expansion of applied opportunities of classical methods of mathematical statistics". The Grant of Russian Foundation for basic Research, 2006-2008 year, project no. 06-01-00059-a.
7. "Development of the device of applied mathematical statistics, of the statistical methods of survival analysis and reliability (computer approach)". The Grant of Russian Foundation for basic Research, 2009-2011 year, project no. 09-01-00056-a.
8. "Simulation system as an effective instrument for the development of modern methods of applied mathematical statistics", 2014-2016 year. This research is supported by the Russian Ministry of Education and Science (project 2.541.2014/K9).
9. "The development of the mathematical apparatus of applied mathematical statistics and ensuring the correctness of statistical inference in a violation of the standard assumptions", 2017-2019 year. This research is supported by the Russian Ministry of Education and Science.

Publication: Total of publications more than 400.

The basic publications

(in English)

1. Denisov V.I., Lemeshko B.Yu. Optimal grouping in Estimation and Tests of Goodnes-of-fit Hypotheses // Wissenschaftliche Schriftenreihe der Technishen universitat Karl-Marx-Stadt. - 1989. № 10. - "Statistics for grouped Observations". - S. 63-81.
2. Denisov V.I., Lemeshko B.Yu., Tsoi E.B. Estimation of unknown parameters of onedimensional distributions with partially grouped data // Wissenschaftliche Schriftenreihe der Technishen universitat Karl-Marx-Stadt. - 1989. № 10. - "Statistics for grouped Observations". - S. 6-21.
3. Lemeshko B.Yu., Postovalov S.N. Statistical analysis of one-dimensional observations from partially grouped data // Russian Physics Journal. Vol. 38, № 9, September 1995. – P. 901 – 906.
4. Lemeshko B.Yu. Robust methods for the estimation and rejection of anomalous measurements // Industrial laboratory (Ind. lab.). 1997, vol. 63, n^{o}5, pp. 297-302 (Consultants Bureau, New York).
5. Lemeshko B.Yu. Asymptotically optimum grouping of observations in goodness-of-fit tests // Industrial laboratory (Ind. lab.). 1998, vol. 64, n^{o}1, pp. 59-67. (Consultants Bureau, New York).
6. Lemeshko B.Yu., Postovalov S.N. Statistical distributions of nonparametric goodness-of-fit tests as estimated by the sample parameters of experimentally observed laws // Industrial laboratory (Ind. lab.). 1998, vol. 64, n^{o}3, pp. 197-208 (Consultants Bureau, New York).
7. Lemeshko B.Yu., Postovalov S.N. Application of the nonparametric goodness-of-fit Tests in testing composite hypotheses // Optoelectronics, Instrumentation and Data Processing. 2001. - № 2. - P. 76-88.
8. Lemeshko B.Yu., Postovalov S.N., Frantsuzov A.V. Application of the nonparametric goodness-of-fit tests to testing nonparametric model adequacy // Optoelectronics, Instrumentation and Data Processing. 2002. - № 2. - P. 3-12.
9. Lemeshko B.Yu., Chimitova E.V. Errors and Incorrect Procedures When Utilizing χ^2 Fitting Criteria // Measurement Techniques, Volume 45, Issue 6, June 2002. – P. 572 – 581.
10. Design of experiments and statistical analysis for grouped observations: Monograph / V.I. Denisov, K.-H. Eger, B.Yu. Lemeshko, E.B. Tsoy. – Novosibirsk: NSTU Publishing house, 2004. – 464 p.
11. Lemeshko B.Yu. Errors when using nonparametric fitting criteria // Measurement Techniques, 2004.Vol. 47, №. 2, – P.134-142.
12. Lemeshko B., Mirkin E. Bartlett and Cochran tests in measurements with probability laws different from normal // Measurement Techniques, 2004, Vol. 47, № 10. – P. 960-968.
13. Lemeshko B.Yu., Maklakov A.A. Nonparametric tests in testing composite hypotheses on goodness of fit to exponential family distributions // Optoelectronics, Instrumentation and Data Processing. 2004. - № 3. - P. 3-18.
14. Lemeshko B.Yu., Lemeshko S. B. Extending the application of Grubbs-type tests in rejecting anomalous measurements // Measurement Techniques, 2005. V. 48, № 6. – P.536-547.
15. Lemeshko B.Yu., Lemeshko S.B. Statistical distribution convergence and homogeneity test power for Smirnov and Lehmann–Rosenblatt tests // Measurement Techniques, 2005. V. 48, № 12. – P.1159-1166.
16. Lemeshko B.Yu., Postovalov S.N., Chimitova E.V. Rules of application of goodness-of-fit tests in simple and composite hypothesis testing // The 7th Korea-Russia International Symposium on Science and Technology (KORUS 2003). University of Ulsan. June 28-July 6, 2003. – Vol.3. – P.126-132.
17. Lemeshko B.Yu., Chimitova E.V. Investigation of the estimates properties and goodness-of-fit test statistics from censored samples with computer modeling technique // Proceedings of the seventh international conference “Computer data analysis and modeling: robustness and computer intensive methods”, September 6-10, 2004, Minsk. Vol. 1. – P. 143-146

18. Lemeshko B.Yu., Frantsuzov A.V. On the usage of goodness-of-fit criterions for testing adequacy of nonparametric estimates of the distribution laws // Proceedings of the seventh international conference “Computer data analysis and modeling: robustness and computer intensive methods”, September 6-10, 2004, Minsk. Vol. 1. – P. 78-81.
19. Lemeshko B.Yu., Lemeshko S.B., Pomadin S.S., Mirkin E.P. Investigation of the stability of statistical hypotheses testing procedures used in quality management problems // Proceedings of the seventh international conference “Computer data analysis and modeling: robustness and computer intensive methods”, September 6-10, 2004, Minsk. Vol. 1. – P. 90-93.
20. Lemeshko B.Yu., Postovalov S.N., Chimitova E.V. Numerical research of the theoretical recommendations of mathematical statistics in non-standard conditions // Proceedings of the seventh international conference “Computer data analysis and modeling: robustness and computer intensive methods”, September 6-10, 2004, Minsk. Vol. 1. – P. 94-97.
21. Lemeshko B.Yu., Pomadin S.S. Mathematical modeling and investigation of the statistic distributions for multidimensional random variables // Proceedings of the seventh international conference “Computer data analysis and modeling: robustness and computer intensive methods”, September 6-10, 2004, Minsk. Vol. 1. – P. 183-186.
22. Lemeshko B.Yu., Ponomarenko V.M. Statistical hypotheses testing in variance analysis in case of classical assumptions failure // Proceedings of the seventh international conference “Computer data analysis and modeling: robustness and computer intensive methods”, September 6-10, 2004, Minsk. Vol. 1. – P. 110-113.
23. Lemeshko B.Yu., Lemeshko S.B. Construction of statistic distribution models for nonparametric goodness-of-fit tests in testing composite hypotheses: the computer approach // Second International Conference on Accelerated Life Testing in Reliability and Quality Control. Abstract Book. June 9-11, 2008. Bordeaux, France. – P. 91-97.
24. Chimitova E.V., Lemeshko B.Yu. On Testing Simple and Composite Goodness-of-fit hypotheses when Data are Censored // Second International Conference on Accelerated Life Testing in Reliability and Quality Control. Abstract Book. June 9-11, 2008. Bordeaux, France. – P.35-39.
25. Lemeshko B.Yu., Lemeshko S.B. Power and robustness of criteria used to verify the homogeneity of means // Measurement Techniques. 2008. Vol. 51, № 9. - P.950-959.
26. Lemeshko B.Yu., Lemeshko S.B. Models of Statistic Distributions of Nonparametric Goodness-of-fit Tests in Composite Hypotheses Testing in Case of Double Exponential Law // The XIII International Cjnference “Applied Stochastic Models and Data Analysis” (ASMDA-2009), June 30-Jule 3, 2009. Selected papers. Vilnius, Lithania. – P.153-157.
27. Tsheglov A.E., Lemeshko B.Yu. About the matter of forecasting by using simultaneous equations models // Proceedings of the 6th St. Petersburg Workshop on Simulation. St. Petersburg, June 28-July 4, 2009. Volume 1. Ed. By S.M.Ermakov, V.B. Melas and A.N. Pepelyshev – St. Petersburg.VVM comm. Ltd., 2009. – P.329-334.
28. Lemeshko B.Yu., Rogozhnikov A.P. Simulation in Comparative Analysis of Several Tests for Normality // MMR 2009 - Mathematical Methods in Reliability. Theory. Methods. Applications. VI International Conference. Extended Abstracts. Moskow, 22-29 June, 2009. – P.403-407.
29. Lemeshko B.Yu., Ogurtsov D.V. Software support for simulating and investigating the distribution laws of functions of random variables // MMR 2009 - Mathematical Methods in Reliability. Theory. Methods. Applications. VI International Conference. Extended Abstracts. Moskow, 22-29 June, 2009. – P.408-411.
30. Lemeshko B.Yu., Lemeshko S.B., Chimitova E.V., Postovalov S.N. Computer methods for investigating statistical regularities in problems of statistical data analysis and reliability // MMR 2009 - Mathematical Methods in Reliability. Theory. Methods. Applications. VI International Conference. Extended Abstracts. Moskow, 22-29 June, 2009. – P.418-422.

31. Lemeshko B.Yu., Lemeshko S.B. and Postovalov S.N. Statistic Distribution Models for Some Nonparametric Goodness-of-Fit Tests in Testing Composite Hypotheses // Communications in Statistics - Theory and Methods, 2010. Vol. 39, No. 3. – P. 460-471.
32. Lemeshko B.Yu., Lemeshko S.B., and A. A. Gorbunova. Application and power of criteria for testing the homogeneity of variances. Part I. Parametric criteria // Measurement Techniques, Vol. 53, No. 3, 2010. – P.237-246.
33. Lemeshko B.Yu. Lemeshko S.B. and Postovalov S.N. Comparative analysis of the power of goodness-of-fit tests for near competing hypotheses. II. Verification of complex hypotheses // Journal of Applied and Industrial Mathematics, 2010, Vol. 4, No. 1, – P. 79–93.
34. Lemeshko B.Yu., Lemeshko S.B., and A.A. Gorbunova. Application and power of criteria for testing the homogeneity of variances. Part II. Nonparametric criteria // Measurement Techniques, Vol. 53, No. 5, 2010. – P.476-486.
35. Lemeshko B.Yu. Lemeshko S.B., Nikulin M.S., Saaidia N. Modeling statistic distributions for nonparametric goodness-of-fit criteria for testing complex hypotheses with respect to the inverse Gaussian law // Automation and Remote Control, 2010. Vol. 71, No. 7. – P. 1358-1373.
36. Chimitova E.V., Lemeshko S.B., Lemeshko B.Yu., Postovalov S.N., Rogozhnikov A.P. Distributed computing system for simulation of classical test statistic distributions under nonstandard conditions // Proceedings Third International Conference on Accelerated Life Testing, Reliability-based Analysis and Design. 19-21 May 2010, Clermont-Ferrand, France. – P.107-109.
37. Gorbunova A.A., Lemeshko S.B., Lemeshko B.Yu. Classical tests of variances homogeneity for non-normal distributions // Proceedings Third International Conference on Accelerated Life Testing, Reliability-based Analysis and Design. 19-21 May 2010, Clermont-Ferrand, France. – P.117-124.
38. Akushkina K.A., Lemeshko S.B., Lemeshko B.Yu. Models of statistical distributions of nonparametric goodness-of-fit tests in testing composite hypotheses of the generalized Weibull distribution // Proceedings Third International Conference on Accelerated Life Testing, Reliability-based Analysis and Design. 19-21 May 2010, Clermont-Ferrand, France. – P.125-132.
39. Software System for Simulation and Research of Probabilistic Regularities and Statistical Data Analysis in Reliability and Quality Control / B.Yu. Lemeshko, S.B. Lemeshko, E.V. Chimitova, S.N. Postovalov, A.P. Rogozhnikov // In: Mathematical and Statistical Models and Methods in Reliability. Applications to Medicine, Finance, and Quality Control / Editors: V. Rykov, N. Balakrishnan, M. Nikulin / Series “Statistics for Industry and Technology” / Birkhäuser, Boston. 2011. – P. 417-432.
40. Inverse Gaussian Model and Its Applications in Reliability and Survival Analysis / B.Yu. Lemeshko, S.B. Lemeshko, K.A. Akushkina, M.S. Nikulin, Noureddine Saaidia // In: Mathematical and Statistical Models and Methods in Reliability. Applications to Medicine, Finance, and Quality Control / Editors: V. Rykov, N. Balakrishnan, M. Nikulin / Series “Statistics for Industry and Technology” / Birkhäuser, Boston. 2011. – P. 433-453.
41. Lemeshko B.Yu., Lemeshko S.B. Models of Statistic Distributions of Nonparametric Goodness-of-Fit Tests in Composite Hypotheses Testing for Double Exponential Law Cases // Communications in Statistics - Theory and Methods, 2011. Vol. 40, No. 16. – P. 2879-2892.
42. Lemeshko B.Yu., Lemeshko S.B. Construction of Statistic Distribution Models for Nonparametric Goodness-of-Fit Tests in Testing Composite Hypotheses: The Computer Approach // Quality Technology & Quantitative Management, 2011. Vol. 8, No. 4. – P. 359-373.
43. Lemeshko B.Yu., Lemeshko S.B., Rogozhnikov A.P. Real-Time Studying of Statistic Distributions of Non-Parametric Goodness-of-Fit Tests when Testing Complex Hypotheses // Proceedings of the International Workshop “Applied Methods of Statistical Analysis.

Simulations and Statistical Inference" – AMSA'2011, Novosibirsk, Russia, 20-22 September, 2011. – P. 19-27.
44. Gorbunova A.A., Lemeshko B.Yu. Application of Variance Homogeneity Tests Under Violation of Normality Assumption // Proceedings of the International Workshop "Applied Methods of Statistical Analysis. Simulations and Statistical Inference" – AMSA'2011, Novosibirsk, Russia, 20-22 September, 2011. – P. 28-36.
45. Mikhail Nikulin, Boris Lemeshko, Ekaterina Chimitova, Angelika Tsivinskaya/ Nonparametric Goodness-of-Fit Tests for Censored Data // Proceedings of the 7th International Conference on "Mathematical Methods in Reliability": Theory. Methods. Applications, Beijing, China, June 20-24, 2011. – P.817-823.
46. Lemeshko B., Lemeshko S., Rogozhnikov A. Interactive Investigation of Statistical Regularities in Testing Composite Hypotheses of Goodness of Fit / Boris Lemeshko, Stanislav Lemeshko and Andrey Rogozhnikov // In: Statistical Models and Methods for Reliability and Survival Analysis. In honor of M.S. Nikulin / Editors: Vincent Couallier, Léo Gerville-Réache, Catherne Huber-Carol, Nikolaos Limnios, Mounir Mesbah / ISTE – Wiley. 2013. - P. 61-76.
47. Chimitova E., Lemeshko B. A Comparative Analysis of Some Chi-Square Goodness-of-Fit Tests for Censored Data // In: Statistical Models and Methods for Reliability and Survival Analysis. In honor of M.S. Nikulin / Editors: Vincent Couallier, Léo Gerville-Réache, Catherne Huber-Carol, Nikolaos Limnios, Mounir Mesbah / ISTE – Wiley. 2013. - P. 281-296.
48. Galanova N.S., Lemeshko B.Yu., Chimitova E.V. Using nonparametric goodness-of-fit tests to validate accelerated failure time models // Optoelectronics, Instrumentation and Data Processing. 2012. – Vol. 48. – No. 6. – P. 580-592.
49. Lemeshko B.Yu., Gorbunova A.A. Application and Power of the Nonparametric Kuiper, Watson, and Zhang Tests of Goodness-of-Fit // Measurement Techniques, Vol. 56, No. 5, 2013. – P.465-475.
50. Lemeshko B.Yu., Gorbunova A.A. Application of nonparametric Kuiper and Watson tests of goodness-of-fit for composite hypotheses // Measurement Techniques, Vol. 56, No. 9, 2013. – P.965-973.
51. Lemeshko B. Yu., Gorbunova A. A., Lemeshko S. B., Rogozhnikov A. P. Solving problems of using some nonparametric goodness-of-fit tests // Optoelectronics, Instrumentation and Data Processing, January 2014, Vol. 50, Issue 1. – P.21-35.
52. Veretel`nikova I.V., Lemeshko B.Yu. The analytical review of tests for randomness and the absence of a trend // 2014 12TH INTERNATIONAL CONFERENCE ON ACTUAL PROBLEMS OF ELECTRONICS INSTRUMENT ENGINEERING (APEIE) 34006 PROCEEDINGS. Vol. 1. Novosibirsk, 2014. – P.532-539.
53. Blinov P.Yu., Lemeshko B.Yu. A Review of the Properties of tests for Uniformity // 2014 12TH INTERNATIONAL CONFERENCE ON ACTUAL PROBLEMS OF ELECTRONICS INSTRUMENT ENGINEERING (APEIE) 34006 PROCEEDINGS. Vol. 1. Novosibirsk, 2014. – P.540-547.
54. *Lemeshko B. Yu.* Application of Nonparametric Goodness-of-Fit Tests: Problems and Solution / B. Yu. Lemeshko // In: Advanced Mathematical and Computational Tools in Metrology and Testing X (AMCTM X), vol.10 / Editors: F. Pavese, W. Bremser, A.G. Chunovkina, N. Fischer, A.B. Forbes / Series on Advances in Mathematics for Applied Sciences, vol. 86, World Scientific, Singapore, 2015. – P. 54-65. DOI: 10.1142/9789814678629_0007
55. *Lemeshko B. Yu.* Chi-Square-Type Tests for Verification of Normality / Measurement Techniques, Vol. 58, No. 6, 2015. – P.581-591. DOI: 10.1007/s11018-015-0759-2
56. *Lemeshko B.Yu., Blinov P.Yu , Lemeshko S.B.* Goodness-of-Fit Tests for Uniformity of Probability Distribution Law // Optoelectronics, Instrumentation and Data Processing. March 2016, Volume 52, Issue 2. – P. 128-140. DOI: 10.3103/S8756699016020047

57. *Lemeshko B.Yu., Blinov P.Yu., Lemeshko S.B.* Bias of nonparametric goodness-of-fit tests relative to certain pairs of competing hypotheses // Measurement Techniques, Vol. 59, No. 5, August, 2016. – P.468-475. DOI 10.1007/s11018-016-0992-3
58. *Boris Yu. Lemeshko, Tatyana S. Sataeva*. On the Properties and Application of Tests for Homogeneity of Variances in the Problems of Metrology and Control // In: Recent Advances in Systems, Control and Information Technology. Proceedings of the International Conference SCIT 2016, May 20-21, 2016, Warsaw, Poland / Editors: Roman Szewczyk, Małgorzata Kaliczyńska // Series on Advances in Intelligent Systems and Computing, Vol. 543, 2017. – P. 784-798. ISBN: 978-3-319-48922-3 (Print) 978-3-319-48923-0 (Online). DOI: 10.1007/978-3-319-48923-0_84
59. *Ekaterina V. Chimitova, Boris Yu. Lemeshko*. Chi-Squared Goodness-of-Fit Tests: The Optimal Choice of Grouping Intervals // In: Recent Advances in Systems, Control and Information Technology. Proceedings of the International Conference SCIT 2016, May 20-21, 2016, Warsaw, Poland / Editors: Roman Szewczyk, Małgorzata Kaliczyńska // Series on Advances in Intelligent Systems and Computing, Vol. 543, 2017. – P. 760-774. ISBN: 978-3-319-48922-3 (Print) 978-3-319-48923-0 (Online). DOI: 10.1007/978-3-319-48923-0_82

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1. Lemeshko B.Yu. The Robust Methods of Evaluation and Rejection of the Abnormal Measurements // Zavodskaya Laboratoriya. 1997. V.63. № 5. - pp. 43-49. (in Russian)
2. Lemeshko B.Yu. Grouping of observations as the way to obtain robust estimates // Reliability and quality control. 1997. № 5. - pp. 26-35. (in Russian)
3. Lemeshko B.Yu. Asymptotically optimal grouping of observations provides the maximal test power // Reliability and quality control. 1997. № 8. - pp. 3-14. (in Russian)
4. Lemeshko B.Yu., Postovalov S.N. Applied aspects of use of goodness-of-fit tests in the case of checking composite hypotheses // Reliability and quality control. - 1997. - № 11. - P. 3-17. (in Russian).
5. Lemeshko B.Yu. Asymptotically optimal grouping of observations in goodness-of-fit tests // Zavodskaya Laboratoriya. 1998. V. 64. - №1. - pp.56-64. (in Russian)
6. Lemeshko B.Yu., Postovalov S.N. On the distributions of statistics of nonparametrical goodness-of-fit tests when estimation from samples of parameters of observed distributions // Zavodskaya Laboratoriya. 1998. V. 64. - № 3. - P. 61-72. (in Russian).
7. Lemeshko B.Yu., Postovalov S.N. About dependence of the Pearson χ^2 and likelihood ratio statistics limiting distributions on data grouping method // Zavodskaya Laboratoriya. 1998. V. 64. - № 5. - pp.56-63. (in Russian)
8. Lemeshko B.Yu., Postovalov S.N. On the rules of testing experimental distribution's goodness-of-fit to the theoretical law // Methods of management of quality. Reliability and quality control. 1999. № 11. - pp. 34-43. (in Russian)
9. Lemeshko B.Yu., Chimitova E.V. The maximization of χ^2 tests' power // Doklady sibirskogo otdeleniya akademii nauk vysshey shkoly. 2000. № 2. - pp. 53-61. (in Russian)
10. Lemeshko B.Yu., Chimitova E.V. The development of optimal L-estimates for shift and scale distribution parameters by sample quantiles // Sibirskiy journal industrialnoi mathematiki. 2001. V.4. - № 2. - pp. 166-183. (in Russian)
11. Lemeshko B.Yu., Gildebrant S.Ya., Postovalov S.N. On reliability parameters estimation from censored samples // Zavodskaya Laboratoriya. Diagnostika materialov. 2001. V. 67. № 1. - pp. 52-64. (in Russian)

12. Lemeshko B.Yu., Postovalov S.N., Chimitova E.V. On statistic distributions and the power of Nikulin χ^2 test // Zavodskaya Laboratoriya. Diagnostika materialov. 2001. V. 67. - № 3. - pp. 52-58. (in Russian)
13. Lemeshko B.Yu., Postovalov S.N. On the dependence of nonparametric test statistic distributions and their power on parameter estimation method used // Zavodskaya Laboratoriya. Diagnostika materialov. 2001. T. 67. - № 7. - C. 62-71. (in Russian)
14. Lemeshko B.Yu., Postovalov S.N. Nonparametric criterions in testing composite hypotheses of goodness-of-fit to the Johnson distribution law // Doklady sibirskogo otdeleniya akademii nauk vysshey shkoly. 2002. № 1(5). - pp.65-74. (in Russian)
15. R 50.1.033-2001. Recommendations for standardization. Applied statistics. Rules of check of experimental and theoretical distribution of the consent. Part I. Goodness-of-fit tests of a type chi-square. - Moscow: Publishing house of the standards. 2002. - 87 p. (in Russian)
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17. Lemeshko B.Yu., Pomadin S.S. The correlation analysis of multidimensional random variables observations in the failure of normality assumption // Sibirskiy journal industrialnoi mathematiki. 2002. V.5. № 3. - pp.115-130. (in Russian)
18. Lemeshko B.Yu., Chimitova E.V. On the number of intervals' choice in χ^2 goodness-of-fit tests // Zavodskaya Laboratoriya. Diagnostika materialov. 2003. V.69. - № 1. - pp.61-67. (in Russian)
19. Lemeshko B.Yu., Chimitova E.V. The optimal L-estimates for shift and scale distribution parameters by sample quantiles // Zavodskaya Laboratoriya. Diagnostika materialov. 2004. V.70. № 1. (in Russian)
20. Lemeshko B.Yu., Pomadin S.S. Testing hypotheses on mathematical expectations and variances in metrology and quality control tasks for the distribution laws, differing from the normal law // Metrology. 2004. – № 3. - pp.3-15. (in Russian)
21. Lemeshko B.Yu. On the problem of distribution law identification for the random component of measurement errors // Metrology. 2004. – № 7. – pp. 8-17. (in Russian)
22. Lemeshko B.Yu., Lemeshko S.B. The comparative analysis of criterions for testing distribution deviation from the normal law // Metrology. 2005. № 2. – pp. 3-24. (in Russian)
23. Lemeshko B.Yu., Lemeshko S.B., Postovalov S.N. The comparative analysis of the power of goodness-of-fit tests at close competing hypotheses. I. Tests of simple hypotheses // Sib. Zh. Ind. Mat., 2008. **11**(2): 96–111. (in Russian)
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28. Statistical Data Analysis, Simulation and Study of Probability Regularities. Computer Approach : monograph / B.Yu. Lemeshko, S.B. Lemeshko, S.N. Postovalov, E.V. Chimitova. – Novosibirsk : NSTU Publisher, 2011. – 888 pp. ("NSTU Monographs"

series).
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30. Galanova N.S., Lemeshko B.Yu., Chimitova E.V. Using nonparametric goodness-of-fit tests to validate accelerated failure time models // Avtometriya. – 2012. – № 6. – P.53-68. (in Russian)
31. Lemeshko B.Yu., Rogozhnikov A.P. On normality of errors in measurements in classical experiments and power of tests for deviation from the normal law // Metrologiya. 2012. № 5. – P. 3-26. (in Russian)
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