

Pagrindinės publikacijos

MONOGRAFIJOS

8. A.Zhigljavsky, **Antanas Žilinskas**, Bayesian and High-Dimensional Global Optimization, Springer, 2021.
7. P.Pardalos, **Antanas Žilinskas**, J.Žilinskas, Non-Convex Multi-Objective Optimization, Springer, 2017.
6. A.Zhigljavsky, **Antanas Žilinskas**, Stochastic Global Optimization, Springer, 2008.
5. A.Antamoshkin, H.-P.Schwefel, A.Torn, G.Yin, **Antanas Žilinskas**, System Analysis, Design and Optimization, Space Technology University, Krasoyarsk, 1993.
4. A.Zhigljavsky, **Antanas Žilinskas**, Globalaus ekstremumo paieškos metodai, Nauka, Maskva, 1991, (rusų kalba).
3. A.Torn, **Antanas Žilinskas**, Global Optimization, Springer, 1989.
2. V.Šaltenis, **Antanas Žilinskas**, Optimumo paieška, Nauka, Maskva, 1989, (rusų kalba).
1. **Antanas Žilinskas**, Globali optimizacija: statistinių modelių aksiomatika, algorithmai ir taikymai, Mokslas, Vilnius, 1986, (rusų kalba).

REDAGUOTA KNYGA

G.Dzemyda, V.Saltenis, **Antanas Žilinskas**, (Eds.) Stochastic and Global Optimization, Kluwer, 2002.

STRAIPSNIAI ŽURNALUOSE, TURINČIUOSE POVEIKIO (IMPACT) FAKTORIŲ WEB OF SCIENCE DUOMENŲ BAZĖJE (Lietuvos univeristetų prenumeruojama apimtimi)

- 62. Antanas Žilinskas**, Gillard J., Scammell M., Zhigljavsky A. (2021) Multistart with early termination of descents, *Journal of Global Optimization*, 79: 447–462.
- 61. Antanas Žilinskas**, Litvinas L. (2020) A hybrid of the simplicial partition-based Bayesian global search with the local descent, *Soft Computing*, 24:17601–17608.
- 60. Calvin J., Antanas Žilinskas** (2020) On efficiency of a single variable bi-objective optimization algorithm, *Optimization Letters*, vol. 14:259–267.
- 59. Zhigljavsky A. and Antanas Žilinskas** (2019) Selection of a covariance function for a Gaussian random field aimed for modelling global optimization problems. *Optimization Letters*, 13:249–259.
- 58. Antanas Žilinskas** and Gimbutiene G. (2019) A hybrid of Bayesian approach based global search with clustering aided local refinement., *Communications in Nonlinear Science and Numerical Simulation*, vol. 78, 104857, <https://doi.org/10.1016/j.cnsns.2019.104857>.
- 57. Antanas Žilinskas**, Calvin J. (2019) Bi-objective decision making in global optimization based on statistical models. *Journal of Global Optimization*: 74:599–609.
- 56. Antanas Žilinskas**, Baronas R., Litvinas L. and Petkevicius L. (2019) Multiobjective optimization and decision visualization of batch stirred tank reactor based on spherical catalyst particles, *Nonlinear Analysis: Modelling and Control*, Vol. 24, No. 6, 1019–1033.<https://doi.org/10.15388/NA.2019.6.10>.
- 55. Gimbutas A., Antanas Žilinskas** (2018) An algorithm of simplicial Lipschitz optimization with the bi-criteria selection of simplices for the bi-section, *Journal of Global Optimization*, 71:115–127.
- 54. Pepelyshev A., Zhigljavsky A., Antanas Žilinskas** (2018) Performance of global random search algorithms for large dimensions, *Journal of Global Optimization*, 71:57–71.
- 53. Calvin J., Gimbutienė G., Philips W., Antanas Žilinskas** (2018) On convergence rate of a rectangular partition based global optimization algorithm, *Journal of Global Optimization* (2018) 71:165–191.

- 52. Antanas Žilinskas**, Zhigljavsky, A. (2016) Branch and probability bound methods in multi-objective optimization. - *Optimization Letters*, vol. 10: 341-353 .
- 51. Antanas Žilinskas**, Zhigljavsky, A. (2016) Stochastic Global Optimization: A Review on the Occasion of 25 Years of Informatica. *Informatica*, vol. 27, 229 – 256.
- 50. Antanas Žilinskas**, Gimbutiene G. (2016) On one-step worst-case optimal trisection in univariate bi-objective Lipschitz optimization, *Communications in Nonlinear Science and Numerical Simulation*, vol. 35, 123 – 136.
- 49.** Baronas R., **Antanas Žilinskas**, Litvinas L. (2016) Optimal design of amperometric biosensors applying multi –objective optimization and decision visualization. *Electrochimica Acta*, vol. 211, 586 – 594.
- 48.** Kaškonas P., Stanius Ž., Kaškonienė V., Obelevičius K., Ragažinskienė O., **Antanas Žilinskas**, Maruška A. (2016) Clustering analysis of different hop varieties according to their essential oil composition measured by GC/MS. - *Chemical Papers*, vol. 70 (12), 1568–1577.
- 47. Antanas Žilinskas** (2015) Visualization of a statistical approximation of the Pareto front. - *Applied Mathematics and Computation*, vol.271: 694-700 .
- 46.** **Antanas Žilinskas**, Žilinskas J. (2015) Adaptation of a one-step worst-case optimal univariate algorithm of bi-objective Lipschitz optimization to multidimensional problems. *Communications in Nonlinear Science and Numerical Simulation*, vol. 21, no. 1-3, 89-98
- 45. Antanas Žilinskas**, Varoneckas, A. (2015) On multi-objective optimization aided drawing of special graphs. - *Applied Mathematics and Computation*, vol. 255, 105-113.
- 44. Antanas Žilinskas**, Fraga E., Beck J., Varoneckas A. (2015) Visualization of multi-objective decisions for the optimal design of a pressure swing adsorption system.. *Chemometrics and Intelligent Laboratory Systems*, vol. 142, 151-158
- 43. Antanas Žilinskas** (2014) A statistical model based algorithm for black-box multi-objective optimization, - *International Journal of System Science*, vol. 45:1, 82-93.
- 42.** Calvin J., **Antanas Žilinskas** (2014) On a global optimization algorithm for bivariate smooth functions, - *Journal of Optimization Theory and Applications*, vol. 163, 528-547.
- 41. Antanas Žilinskas** (2014) A one-step worst-case optimal algorithm for bi-objective univariate optimization, - *Optimization Letters*, vol. 8, 1945-1960. DOI 10.1007/s11590-013-0712-8
- 40.** Baronas R., Kulys J., Lančinskas A., **Antanas Žilinskas** (2014) Effect of diffusion limitations on multianalyte determination from biased biosensor response, - *Sensors*, vol.14, 4634-4656. DOI: 10.3390/s140304634.
- 39.** Varoneckas A., **Antanas Žilinskas**, Žilinskas J. (2013) Multi-objective optimization aide to allocation of vertices in aesthetic drawing of special graphs, - *Nonlinear Analysis and Control*, vol.18, 475-492.
- 38. Antanas Žilinskas** (2013) On the worst-case optimal multi-objective global optimization, - *Optimization Letters*, vol.7, 1921-1928.
- 37. Antanas Žilinskas**, J.Žilinskas (2013) A hybrid global optimization algorithm for non-linear least squares regression, - *Journal of Global Optimization*, vol.56, 265-277.
- 36.** R.Baronas, J.Kulys, **Antanas Žilinskas**, A.Lančinskas, D.Baronas (2013) Optimization of the multianalyte determination with biased biosensor response, - *Chemometrics and Intelligent Laboratory Systems*, vol.126, 108-116.
- 35.** Calvin J.M., Chen Y., **Antanas Žilinskas** (2012) An Adaptive Univariate Global Optimization Algorithm and Its Convergence Rate for Twice Continuously Differentiable Functions, - *Journal of Optimization Theory and Applications*, vol. 155, 628–636.
- 34.** Pardalos P. M., Steponavice I., **Antanas Žilinskas** (2012) Pareto set approximation by the method of adjustable weights and successive lexicographic goal programming, - *Optimization Letters*, vol.6, 665–678.

- 33.** Antanas Žilinskas (2012) On strong homogeneity of two global optimization algorithms based on statistical models of multimodal objective functions, - *Applied Mathematics and Computation*, vol. 218, 8131–8136.
- 32.** Calvin, J., Chen, Y., Antanas Žilinskas (2011) An adaptive univariate global optimization algorithm and its convergence rate for twice continuously differentiable functions. *Journal of Optimization Theory and Applications*, 155, 628–636.
- 31.** Antanas Žilinskas, Žilinskas J. (2011) A global optimization, method based on the reduced simplicial statistical model, *Mathematical Modelling and Analysis*, 16(3), 451-460.
- 30.** Antanas Žilinskas (2011) Small sample estimation of parameters for wiener process with noise, *Communications in Statistics - Theory and Methods*, vol. 40(16), 3020-3028.
- 29.** Antanas Žilinskas, Baronas D. (2011) Optimization-based evaluation of concentrations in modeling the biosensor-aided measurement. *Informatica*, vol. 22(4), 589-600.
- 28.** Antanas Žilinskas, Zilinskas J. (2010) On probabilistic bounds inspired by interval arithmetic. *Control and Cybernetics*, vol.39, 507-526.
- 27.** Antanas Žilinskas (2010) On similarities between two models of global optimization: statistical models and radial basis functions. *Journal of Global Optimization*, vol.48, no.1, 171-182, DOI: 10.1007/s10898-009-9517-9.
- 26.** Antanas Žilinskas, Zilinskas J. (2010) P-algorithm based on a simplicial statistical model of multimodal functions. *TOP*, Vol. 18 (2), 396-412 .
- 25.** Antanas Žilinskas, Zilinskas J. (2010) Interval arithmetic based optimization in nonlinear regression. *Informatica*, vol.21, 149-158.
- 24.** Antanas Žilinskas, Zilinskas J. (2009) Branch and bound algorithm for multidimensional scaling with city block metric. *Journal of Global Optimization*, 43, no. 2-3, 357-372.
- 23.** Krilavicius T., Antanas Žilinskas (2008) On structural analysis of parliamentary voting data, *Informatica*, vol. 19, 377-390.
- 22.** Varoneckas A., Antanas Žilinskas, Žilinskas J. (2008) Parallel multidimensional scaling using grid computing: assessment of performance, *Information Technology and Control*, vol. 37, 52-56.
- 21.** Antanas Žilinskas, Žilinskas J. (2008) A hybrid method for multidimensional scaling using city-block distances. *Mathematical Methods of Operations Research*, vol. 68, 429-443.
- 20.** A. Žilinskas, Žilinskas J. (2007) Two level minimization in multidimensional scaling. *Journal of Global Optimization*, vol. 38(4), 581-596.
- 19.** Antanas Žilinskas, Fraga E., Mackutė A. (2006) Data analysis and visualisation for robust multi-criteria process optimizatino. *Computers & Chemical Engineering*, vol. 30, 1061-1071.
- 18.** Antanas Žilinskas, Zilinskas J. (2006) Parallel hybrid algorithm for global optimization of problems occurring in MDS based visualization. *Computers and Mathematics with Applications*, vol. 52, no.1-2, 211-224.
- 17.** Antanas Žilinskas, Zilinskas J. (2005), On underestimating in interval computations. - *BIT Numerical Mathematics*, vol.45, 415-427.
- 16.** Calvin J., Antanas Žilinskas (2005), One dimensional global optimization for observations with noise. *Computers and Mathematics with Applications*, vol.50, 157-169.
- 15.** Antanas Žilinskas (2004) Hybrid search for optimum in a small implicitly defined region. - *Control and Cybernetics*, vol. 33, no.4, 599-609.
- 14.** Fraga E., Antanas Žilinskas (2003) Evaluation of hybrid optimization methods for the optimal design of heat integrated distillation sequences. - *Advances in Engineering Software*, vol.34, 73-86.
- 13.** Antanas Žilinskas, Podlipskytė A. (2003) On multimodality of the SSTRESS criterion for metric multidimensional scaling. - *Informatica*, vol.14, no.1, 121-130.

- 12.** Clausen J., **Antanas Žilinskas**. (2002) Subdivision, sampling, and initialization strategies for simplicial branch and bound in global optimization, *Computers and Mathematics with Applications*, vol. 44, Issue 7, 943-955.
- 12.** **Antanas Žilinskas**, Zilinskas J. (2002) Global optimization based on a statistical model and simplicial partitioning, *Computers and Mathematics with Applications*, vol. 44, Issue 7, p.957-967.
- 10.** Calvin, J., **Antanas Žilinskas** (2001) On convergence of a P-algorithm based on a statistical model of continuously differentiable functions. - *Journal of Global Optimization*, vol.19, no. 3, 229-245.
- 9.** Calvin J., **Antanas Žilinskas** (2000) On the choice of statistical model for one-dimensional P-algorithm, *Control and Cybernetics*, vol. 29, no. 2, 555-565.
- 8.** Calvin J., **Antanas Žilinskas**, (2000) A one-dimensional P-algorithm with convergence rate $O(n^{-3+\delta})$ for smooth functions. - *Journal of Optimization Theory and Applications*, vol. 106, no.2, 297-307.
- 7.** Telksnys L., **Antanas Žilinskas**, Computers in Lithuania, *IEEE Annals of the History of Computing*, vol. 21, no. 3, 1999, 31-37.
- 6.** Calvin J., **Antanas Žilinskas** (1999) On convergence of the P-algorithm for one-dimensional global optimization of smooth functions. *Journal of Optimization Theory and Applications*, vol. 102, no.3, 479-495.
- 5.** Mathar R., **Antanas Žilinskas** (1994) A class of test functions for global optimization. *Journal of Global Optimization*, vol.5, no.2, 195-200.
- 4.** Mathar R, **Antanas Žilinskas** (1993) On global optimization in two dimensional scaling, *Acta Applicandae Mathematicae*, vol.33, 109 - 118.
- 3.** **Antanas Žilinskas**, Extended Univariate Algorithms, *Computing*, vol.41, 1989, 275-276.
- 2.** **Antanas Žilinskas**, Axiomatic characterization of global optimization algorithm and investigation of its search strategy. *Operations Research Letters*, 1985 vol. 4, 35-39.
- 1.** **Antanas Žilinskas**, Axiomatic approach to statistical models and their use in multimodal optimization theory. *Mathematical Programming*, 1982, vol. 22, no.1, 104-116.

STRAIPSNIAI KITUOSE WEB OF SCIENCE MASTER LIST ŽURNALUOSE

- 17.** Jakaitienė A, **Antanas Žilinskas**, Stumbriene D. (2018) Analysis of education systems performance in european countries by means of PCA-DEA, *Informatics in Education*, vol. 17, no.2, 245–263.
- 16.** **Antanas Žilinskas**, Zilinskas J. (2006) On multidimensional scaling with Euclidean and city block metric. *Technological and Economic Development of Economy*, vol.12, no.1, 69-75, ISSN 1392-8619.
- 15.** **Antanas Žilinskas**, Mackutė A. (2005) On efficiency of adaptive search in optimization over small implicitly defined feasible region. *Information Technology and Control*, vol.34, no.2, 153-160, ISSN 1392-124X.
- 14.** **Antanas Žilinskas**, Podlipskytė A. (2002) On symbolic computation in a problem of geometric probabilities. *Information Technology and Control*, vol.24, no.3, 49-54, ISSN 1392-124X.
- 13.** Jakaitiene A., **Antanas Žilinskas** (2001) Implementation of Cox model: efficiency and applications, *Information Technology and Control*, vol.19, no. 2, 41-44.
- 12.** **Antanas Žilinskas** (2000) A statistical model for global optimization by means of select and clone, *Optimization*, vol. 48, 117-135.
- 11.** **Antanas Žilinskas** (1996) A quadratically converging algorithm of multidimensional scaling, *Informatica*, vol. 7, no.2, 268-274.
- 10.** Mathar R., **Antanas Žilinskas** (1994) On channel access probabilities which maximize throughput of slotted ALOHA, *Informatica*, vol. 5, no.3-4, no. 364-372.
- 9.** **Antanas Žilinskas** (1992) On convergence of algorithms for broad classes of objective functions, *Informatica*, vol. 3, no.2, 275-279.

- 8. Antanas Žilinskas** (1992) A review of statistical models for global optimization, *Journal of Global Optimization*, vol. 2, 145-153.
- 7. Antanas Žilinskas** (1990) Statistical models of multimodal functions and construction of algorithms for global optimization, *Informatica*, vol. 1, no. 1, 141-155.
- 6. Antanas Žilinskas** (1988) Note on Pinter's paper. – *Optimization* (a series of Mathematische Operationsforschung und Statistik), vol. 19, no.11, 195-195.
- 5. Antanas Žilinskas** (1984) On justification of use of stochastic functions for multimodal optimization models. *Annals of Operations Research*, vol. 1, 129-134.
- 4. Antanas Žilinskas,** (1981) Two algorithms for one-dimensional multimodal minimization. – *Optimization* (a series of Mathematische Operationsforschung und Statistik), vol.12, no.1, 53-63.
- 3. Antanas Žilinskas** (1980) On the use of statistical models of multimodal functions for the construction of the optimization algorithms. *Lecture Notes in Control and Information Sciences*, vol. 23, 138-147.
- 2. Antanas Žilinskas,** (1978) Optimization of one dimensional multimodal functions, Algorithm AS 133. *J. Royal Stat. Soc., ser.C- Applied Statistics*, vol. 23, 367-375.
- 1. Antanas Žilinskas** (1978) On statistical models for multimodal optimization. *Statistics*, (a series of Mathematische Operationsforschung und Statistik), vol. 9, no.2, 255-266.

STRAIPSNIAI KITUOSE LEIDINIUOSE REFERUOJAMUOSE WEB OF SCIENCE DUOMENŲ BAZĖJE

- 26. Antanas Žilinskas**, Litvinas L. (2020) A partition based Bayesian multiobjective optimization algorithm, *Lecture Notes in Computer Science*, v. 11974, 511–518, https://doi.org/10.1007/978-3-030-40616-5_50
- 25. Antanas Žilinskas**, Zhigljavsky A., Nekrutkin V., and Kornikov V. (2019) Selection of a covariance kernel for a Gaussian random field aimed for modeling global optimization problems, *AIP Conference Proceedings*, 2070, 020043; <https://doi.org/10.1063/1.5090010>
- 24.** Calvin J., and **Antanas Žilinskas** (2019) On Efficiency of Bicriteria Optimization, *AIP Conference Proceedings*, 2070, 020035; <https://doi.org/10.1063/1.5090002>
- 23. Antanas Žilinskas** (2019) Including the Derivative Information into Statistical Models Used in Global Optimization.,*AIP Conference Proceedings*, 2070, 020020 , <https://doi.org/10.1063/1.5089987>.
- 22.** Litvinas L., Baronas R., **Antanas Žilinskas** (2017) Application of two phase multiobjective optimization to design of biosensors utilizing cyclic substrate conversion. *Proceedings 31st European Conference on Modelling and Simulation*, ECMS 2017,469-474.
- 21. Antanas Žilinskas** (2016) Global Search as a Sequence of Rational Decisions under Uncertainty, *AIP Conference Proceedings*, 1776, 020001, <http://dx.doi.org/10.1063/1.4965307>.
- 20.** Gimbutas A., Antanas Žilinskas. (2016). On global optimization using an estimate of Lipschitz constant and simplicial partition. *AIP Conference Proceedings*, 1776, 060012, <http://dx.doi.org/10.1063/1.4965346>.
- 19.** Gimbutienė G., **Antanas Žilinskas** (2016) Clustering-based statistical global optimization. *AIP Conference Proceedings*, 1776, 060008, <http://dx.doi.org/10.1063/1.4965342>.
- 18. Antanas Žilinskas**, Gimbutienė G. (2015) On an asymptotic property of a simplicial statistical model of global optimization. *Optimization, Control, and Applications in the Information Age, Springer Proceedings in Mathematics and Statistics* (Eds. A. Migdalas and A. Karakitsiou), Springer, 383-391.
- 17. Antanas Žilinskas** (2013) On two approaches to constructing optimal algorithms for multi-objective optimization. - *Communications in Computer and Information Science*, vol. 403, 236-248.

- 16.** Jancauskas V., Mackute-Varoneckiene A., Varoneckas A., **Antanas Žilinskas** (2012) On the Multi-Objective Optimization Aided Drawing of Connectors for Graphs Related to Business Process Management. - *Communications in Computer and Information Science*, vol. 319, 87-100
- 15.** Liogys M., **Antanas Žilinskas** (2012) A variable neighborhood search enhancement for the shift sequence based method of the personal scheduling in hospitals, *Communications in Computer and Information Science*, vol. 319, 15-23.
- 14.** Mackute-Varoneckiene A., **Antanas Žilinskas** (2009) Multi-objective optimization using parallel computations. - In: *15th International conference on information and software technologies, IT 2009*, 100-106.
- 13.** Radiukyniene I., **Antanas Žilinskas** (2008) Evolutionary methods for multi-objective portfolio optimization. - *Lecture Notes in Engineering and Computer Science*, vol. S III, Eds. Ao, SI; Gelman, L; Hukins, DWL; et al., 1155-1159.
- 11.** **Antanas Žilinskas**, J. Žilinskas, (2008) Three-dimensional visualization by means of multidimensional scaling.- *20th International Conference/Euro Mini Conference on Continuous Optimization and Knowledge-Based Technologies (EurOPT 2008)*, Eds. Sakalauskas, L; Weber, GW; Zavadskas, EK, 71-76.
- 10.** **Antanas Žilinskas**, Žilinskas J., (2007) Parallel genetic algorithm: assessment of performance in multidimensional scaling.- *Genetic and Evolutionary Computation Conference*, vol.1-2, 1492-1499.
- 9.** **Antanas Žilinskas**, Zilinskas J. (2006) On efficiency of tightening bounds in interval computations, *Lecture Notes in Computer Science*, vol.3732, Springer, 197-205.
- 8.** **Antanas Žilinskas**, Podlipskyte, A. (2006) On dissimilarity measurement in visualization of multidimensional data. *Computer Aided Methods in Optimal Design and Operations*, D.Bogle, J. Žilinskas (Eds.), series *Computers and Operations-Research*, vol. 7, 149-158.
- 7.** Varoneckas A., **Antanas Žilinskas**, Zilinskas J. (2006) Multidimensional scaling using parallel genetic algorithm.- *Computers and Operations Research*, vol. 7, : 129-138.
- 6.** **Antanas Žilinskas**, et all. (2005) Web-based tool for management of CAD patients after coronary bypass surgery. *Computers in Cardiology*, vol. 32, 155-158.
- 5.** **Antanas Žilinskas**, Fraga E., Mackute A., Varoneckas A. Adaptive search for optimum in a problem of oil stabilization process design, *Adaptive Computing in Design and Manufacture*, vol. VI, Ed. I.C.Parmee, Springer, 2004, 87-98, ISBN 1-85233-829-6.
- 4.** Calvin J., **Antanas Žilinskas** (2003) On global optimization in the presence of noise. *Modelling and Simulation of Business Systems*, Eds. Pranevicius H., Zavadskas E., Rapp B., 7-9.
- 3.** Fraga ES., Mackute A., **Antanas Žilinskas** (2003) Empirical study of multimodality of objective function in optimal process design, *Modelling and Simulation of Business Systems*, Eds. Pranevicius H., Zavadskas E., Rapp B., 8-21.
- 2.** Fraga ES., **Antanas Žilinskas** (2002) Experience with hybrid evolutionary/local optimization for process design. *Adaptive Computing in Design and Manufacture*, vol. V, Ed. I.C.Parmee, Springer, 53-64.
- 1.** Torn A., **Antanas Žilinskas** (1990) Parallel global optimization algorithms in optimal design, -*Lecture Notes in Control and Information Sciences*, vol.143, 951-960.

STRAIPSNIAI KITUOSE ŽURNALUOSE

- 36.** Baronas, R., Lančinskas, A., **Žilinskas, Antanas** (2014) Optimization of bi-layer biosensors: trade-off between sensitivity and enzyme volume. *Baltic Journal Modern Computing*, vol. 2, no. 4, 285-296.
- 37.** Liogys, M.; **Žilinskas, Antanas** (2014) On multi-objective optimization heuristics for nurse rostering problem, *Baltic Journal Modern Computing*, vol. 2, no. 1, 32-44
- 35.** **Antanas Žilinskas**, A.Mackutė (, 2008) Parametric optimization in two criteria optimal control problem. *System Science*, vol.34, no.1, ISSN 0137-1223, 127-132.

- 33.** Antanas Žilinskas, et all. (2006) A web-based data bank of heart rate and stroke volume recordings during sleep. *E-Health*, 371-375, ISSN 1818-9334.
- 30.** Antanas Žilinskas, A.Podlipskytė (2005) Visualization of multidimensional data by means of nonlinear projections. *Information Sciences*, vol. 32, 137-147, ISSN 1392-0561.
- 29.** Podlipskyte A., Varoneckas G., Antanas Žilinskas (2004) Assessment of sleep quality and quality of life for healthy subjects and for ischemic heart disease patients by means of multidimensional scaling. *Health Sciences*, vol. 14, no. 3, 10-14, ISSN 1392-6373.
- 28.** Antanas Žilinskas (2003) On the distribution of the distances between two points in a cube. *Random Operators and Stochastic Equations*, vol. 11, no.1, 21-24, ISSN 0926-6364.
- 25.** Antanas Žilinskas, Makauskas A. (1990) On possibility of use of derivatives in statistical models of multimodal functions, *Theory of Optimal Decisions*, vol. 14, Vilnius: p.63-77, in Russian.
- 24.** Antanas Žilinskas (1985) Axiomatic characterization of statistical models of multimodal functions and construction of global optimization algorithms. *Voprosy Kibernetiki*, no.122, Moscow: Academy of Sciences, 14-22, in Russian.
- 23.** Antanas Žilinskas (1983) On the estimation of parameters of the random fields from observations at random dependent points, *Lithuanian Mathematical Journal*, no.1, 92-95.
- 22.** Antanas Žilinskas (1982) Multimodal minimization algorithm constructed axiomatically: proof of convergence and testing results. *Wissenschaftliche Zeitshcrift HAB*, vol. 28, Heft 2, Weimar: HAB, p.226-228.
- 21.** Antanas Žilinskas, Katkauskaitė A. (1982) On existence of stochastic function compatible with a relation of conditional likelihood. *Cybernetics*, no.4, p.80-83, in Russian.
- 20.** Antanas Žilinskas (1981) On multimodal minimization algorithms constructed axiomatically. *Methods of Operations Research*, vol. 40, 197-200.
- 19.** Antanas Žilinskas, Senkiene E. (1981) Convergence of one-dimensional one-stage algorithms for multiextremal optimization in the presence of noise. *Lithuanian Mathematical Journal*, no.1, 12-15.
- 18.** Antanas Žilinskas (1981) On statistical models of multimodal functions and their application for the design of the minimization algorithms. *Problems of Control and Information Theory*, no.1, supplement: English translation of the papers in Russian, 19-30.
- 17.** Antanas Žilinskas, et all. (1980) Investigation of Optimization problems of the synthesis of pigmental compositions, *Optimal Decision Theory*, vol.6, Vilnius: MKI, 57-74, in Russian.
- 16.** Antanas Žilinskas (1980) MIMUN-optimization of one-dimensional multimodal functions in the persence of noise, Algorithmus 44. *Aplikace Matematiky*, vol. 25, 234-340.
- 15.** Antanas Žilinskas (1979) Axiomatic approach to the problem of extrapolation under uncertainty. *Automatics and Remote Control*, no.12, 66-70, in Russian.
- 14.** Antanas Žilinskas, Senkiene E. (1979) On estimation of parameter of Wiener random field from observations at dependent random points. *Cybernetics*, No 6, 107-109, in Russian.
- 13.** Antanas Žilinskas, Senkiene E. (1978) On estimation of a parameter of Wiener process. *Lithuanian Mathematical Journal*, no.3, 59-62, in Russian.
- 12.** Antanas Žilinskas (1978) Investigation of problems of multidimensional extrapolation. *Optimal Decision Theory*, vol.4, Vilnius: MKI, 27-45, in Russian.
- 11.** Antanas Žilinskas, et all, (1978) Optimal design of linear shock-absorbers. *Optimal Decision Theory*, vol.4, Vilnius: MKI, 13-26, in Russian.
- 10.** Antanas Žilinskas, Senkiene E. (1978) Statistical investigation of an estimate of the parameter of Wiener process from dependent observations, *Optimal Decision Theory*, vol.4, Vilnius: MKI, 47-53, in Russian.
- 9.** Antanas Žilinskas, Katkauskaitė A. (1977) Construction of statistical models of functions under uncertainty. *Optimal Decision Theory*, vol.3, Vilnius: MKI, 19-29, in Russian.

- 8. Antanas Žilinskas** (1976) On statistical models of multimodal functions. *Optimal Decision Theory*, vol. 2, Vilnius: FMI, 29-46, in Russian.
- 7. Antanas Žilinskas**, et all, (1976) On optimal energy transmission in slanting strokes. *Optimal Decision Theory*, vol.2, Vilnius: FMI, p.11-27, in Russian.
- 6. Antanas Žilinskas** (1976) Method of one-dimensional multimodal minimization. *Engineering Cybernetics*, no.4, p.71-74.
- 5. Jakučionis A., Antanas Žilinskas** (1975) Optimal design of helical nondispersive videopulse-delay line, -*Proceedings of Lithuanian Academy of Sciences*, ser. B, vol.1(86), Vilnius, 119-137, in Russian.
- 4. Antanas Žilinskas** (1975) One-stage Bayesian method of search of extremum of one-variable functions. *Cybernetics*, no.1, p.139-144, in Russian.
- 3. Antanas Žilinskas** (1975) One-step Bayesian algorithm for one-dimensional minimization in the presence of noise, *Optimal Decision Theory*, vol.1, Vilnius: FMI, 9-22, in Russian.
- 2. Antanas Žilinskas, Mockus J., Timofiejev L.** (1972) Bayesian method of search of extremum with the restricted memory. *Automat. Control and Comp.Sci.*, vol.6, no.6, 38-43.
- 1. Antanas Žilinskas, Mockus J.** (1972) On a Bayesian method of search of minimum. *Automat. Control and Comput. Sci.*, vol. 6, no.4, 42-44.

STRAIPSNIAI KITUOSE RECENZUOJAMUOSE LEIDINIUOSE

- 63.** Baronas R., Kulys J., Litvinas L., Petkevičius L., Petrauskas K., **Antanas Žilinskas** (2019) Computational Modeling, Multi-Objective Optimization and Decision Visualization of Microbioreactor System, *Data Analysis Methods for Software Systems*, Vilnius University Press, 9
- 62.** Gimbutas, A., **Antanas Žilinskas**, (2018). Generalization of Lipschitzian global optimization algorithms to the multi-objective case. *International Workshop on Optimization and Learning: Challenges and Applications*. Alicante, 36-37.
- 61.** **Antanas Žilinskas**, Zilinskas, J. (2014) Bounding fronts in multi-objective combinatorial optimization with application to aesthetic drawing of business process diagrams. *Models, Algorithms and Technologies for Network Analysis*, M.Batsyn, V.Kalyagin, P.Pardalos (Eds.), Springer, 127-139.
- 60.** **Antanas Žilinskas** (2014) On the statistical models-based multi-objective optimization. *Optimization in Science and Engineering*, Springer, M. Rassias, C.Floudas, S.Butenko (Eds.), 597-610.
- 59.** **Antanas Žilinskas**, (2013) On statistical models based multi-objective optimization. *Proceedings of the 10th International Conference on Computer Data Analysis and Modelling*, vol. 2, 90-94.
- 58.** **Antanas Žilinskas**, A. Mackutė-Varoneckienė, A. Varoneckas (2012), Weighting criteria of aesthetic attractiveness of layouts of business process diagrams. *International Workshop “Stochastic Programming for Implementation and Advanced Applications”*, 142-147.
- 57.** Jančauskas V., **Antanas Žilinskas**, (2012) A multiobjective optimization aided algorithm for search of aesthetically looking paths in grids. *Proceedings of 7th International Conference on Neural Networks and Artificial Intelligence, ICNNAI '2012*, 209-214.
- 56.** Jančauskas V., Kaukas G., **Antanas Žilinskas**, Žilinskas J. (2012) On Multi-Objective Optimization Aided Visualization of Graphs Related to Business Process Diagrams. *Databases and Information Systems BalticDB&IS'2012*, 71-80; <http://ceur-ws.org/Vol-924/BalticDBIS2012.pdf>
- 55.** **Antanas Žilinskas**, Jakaitiene A. (2010) A conjugate gradient method for two dimensional scaling, *CC-AI, The Journal for the Integrated Study of Artificial Intelligence, Cognitive Science and Applied Epistemology* (ISSN: 0773-4182, vol. 43(3-4), ISSN 0378-0880, 3-11).
- 54.** **Antanas Žilinskas**, Jakaitiene A. (2010) Dynamic stochastic optimisation using endogenous gridpoints for consumption in Lithuania. - In: *Proceedings of CompSysTech`10*, ISBN: 978-1-4503-0243-2, 275-280.

- 53.** Macklutė-Varoneckinė A., **Antanas Žilinskas**, (2009) Multi-objective optimization using parallel computations, *17th International Conference on Information and Software Technologies*, Kaunas, 100-106.
- 52.** Radziukyniene I., **Antanas Žilinskas**, (2009), Approximation of Pareto Set in Multi Objective Portfolio Optimization, *Lecture Notes in Electrical Engineering*, Vol. 39, pp. 551-562.
- 51.** **Antanas Žilinskas**, Skūpienė J., (2009) Automated grading of programming tasks fulfilled by students: Evolution and perspectives. *CC-AI, The Journal for the Integrated Study of Artificial Intelligence, Cognitive Science and Applied Epistemology* (ISSN: 0773-4182, vol. 42(1-2), 3-18.
- 50.** **Antanas Žilinskas**, Žilinskas J., (2009) Optimization based visualization, *Encyclopedia of Optimization*, C.Floudas and P.Pardalos (Eds.),Springer, 2785-2791.
- 49.** **Antanas Žilinskas**, Žilinskas J., (2009) Global optimization based on statistical models, *Encyclopedia of Optimization*, C.Floudas and P.Pardalos (Eds.), Springer, 1291-1293.
- 48.** **Antanas Žilinskas**, (2009) A hybrid method for estimating parameters: wiener process observable in the presence of noise, *The XIII International Conference “Applied Stochastic Models and Data Analysis”*, (ASMDA-2009), ISBN 978-9955-28-463-5, 362-365.
- 47.** **Antanas Žilinskas**, Jakaitiene A., (2009) A hybrid method for optimization based visualization, *Proceedings of the International Conference on e-learning and Knowledge Society*, ISBN 1313-9207, 83-88.
- 46.** Radziukynienė I., **Antanas Žilinskas**, (2008) On Pareto set generation in multi-criteria portfolio optimization. *Proceedings of Fifth International Conference on Neural Networks and Artificial Intelligence, ICNNNAI'2008*, Minsk, ISBN 978-985-6329-79-4, 282-287.
- 45.** **Antanas Žilinskas**, Žilinskas J. (2008) Visualization aided optimization and optimization aided visualization, *Proceedings of Fifth International Conference on Neural Networks and Artificial Intelligence, ICNNNAI'2008*, Minsk, ISBN 978-985-6329-79-4, 28-33.
- 44.** Skūpienė J., **Antanas Žilinskas**, (2006) Evaluation in Informatics Contests: Aid for Tasks Involving Graphs. *CC-AI, The Journal for the Integrated Study of Artificial Intelligence, Cognitive Science and Applied Epistemology* (ISSN: 0773-4182, vol. 23(1-4), 39-46.
- 43.** Skūpienė J., **Antanas Žilinskas**, (2006) Evaluation of programs in Informatics Contests: case of implementation of graph algorithms. *3rd E-Learning Conference*, Coimbra, 7-8 September, 2006, 119-124.
- 42.** **Antanas Žilinskas**, Žilinskas J., Varoneckas A., (2006) On relevance of heart rate oscillations to characterization of sleep stages. *Proceedings of Meeting of European Study Group on Cardiovascular Oscillations, ESGCO*, 2006, 167-170.
- 41.** **Antanas Žilinskas**, Zilinskas J., Varoneckas A. (2005) Linear and nonlinear methods in analysis of sleep stages with respect to heart rate. *Proceedings of 8th International Conference on Pattern Recognition and Image Processing*, Minsk, 26-29, ISBN 985-6329-55-8.
- 40.** Podlipskyte A., Varoneckas G., **Antanas Žilinskas** (2005) Visualization of sleep stages using multidimensional scaling of heart rate data during sleep. *Proceedings of 8th International Conference on Pattern Recognition and Image Processing*, Minsk, 34-37, ISBN 985-6329-55-8.
- 39.** **Antanas Žilinskas**, Zilinskas J., Varoneckas A. (2005) Computer aided system for analysis of hearth rate data oriented to development of automatic diagnostics of sleep. *Proceedings of the International Conference on Computer Systems and Technologies*, Eds. B.Rachev and A.Smrikarov, Bulgarian chapter of ACM, 2005, II.3-1 – II.3-6, ISBN 954-9641-42-2.
- 38.** **Antanas Žilinskas**, Varoneckas A., Podlipskyte A., Varoneckas G. (2005) A web based tool to support self-assessment and treatment of sleep disorders. *E-learning and the Knowledge Society, Communication and Cognition*, Gent, 2.2.1-2.2.7, ISBN 90-70963-892.
- 37.** **Antanas Žilinskas**, Mackute A. (2004) On optimization over a small implicitly defined feasible regiono. *Proceedings of the 15th International Conference on System Sciences*, vol.1, Eds. Z.Bubnicki and A.Grzecz, Wroclaw Technical University, 297-304, ISBN 83-7085-804-X.

- 36.** Antanas Žilinskas, Kucinskas D. (2004) Implementation and testing of an algorithm for global optimization with noise. *Proceedings of the International Conference on Computer Systems and Technologies*, Eds. B.Rachev and A.Smrikarov, Rousse University, IIIA8-1 – IIIA8-6.
- 35.** Jakaitiene A., Antanas Žilinskas (2002) Implementation of e-learning at Vytautas Magnus University, *Proceedings of the International Conference on Computer Systems and Technologies*, Eds., R.Rachev and A.Smrikarov, Sofia, IV.1-1 – IV.1.4. ISBN 954-9641-28-7.
- 34.** Calvin J., Antanas Žilinskas (2002) One-dimensional global optimization based on statistical models, *Stochastic and Global Optimization*, G.Dzemyda, V.Šaltenis V., Antanas Žilinskas, (Eds.) Kluwer, 49-63.
- 33.** Antanas Žilinskas, (2001) Global optimization based on statistical models, *Encyclopedia of Optimization*, vol.2., C.Floudas and P.Pardalos (Eds.), Kluwer Acad. Pub. 273-276.
- 32.** Podlipskyte A., Antanas Žilinskas, Zemaityte D., Varoneckas G. (2001) A new version of MDS method and its application for visualization of data on sleep quality. *Proceedings of Sixth International Conference on Pattern Recognition and Information Processing*, vol. 2, Minsk, 181-188.
- 31.** Jakaitiene A., Antanas Žilinskas (2001) Algorithmic aspects of competing risk models. *The 2nd International Conference on Neural Networks and Artificial Intelligence*, Minsk, 147-149.
- 30.** Podlipskytė A, Antanas Žilinskas, Varoneckas G. (2001) On efficiency of MDS software: case study of data on sleep quality. *The 2nd International Conference on Neural Networks and Artificial Intelligence*, Minsk, 150-155.
- 29.** Antanas Žilinskas, Jakaitiene A., Podlipskyte A., Varoneckas G. (2001) On intelligent optimization in bio-medical data analysis and visualization, *IDAMAP, Workshop at MEDINFO 2001*, London, 52-55, see also <http://magix.fri.uni-lj.si/idamap2001/scientific.asp>.
- 28.** Antanas Žilinskas (2001) Two examples of global optimization by means of local techniques, From *Local to Global Optimization*, A.Migdalas, P.Pardalos and P.Varbrand (Eds), Kluwer Acad. Pub., 69-84.
- 27.** Calvin J., Tempelaar D., Antanas Žilinskas (1999) Problem based learning and Internet technology for studying courses on algorithms, *Proceedings of 6th International Conference on Reform of Education and Teacher Training*, Vilnius Pedagogical University, 1999, 274-278.
- 26.** Calvin J., Antanas Žilinskas (1999) P-algorithm for one-dimensional global optimization, *Proceedings of Fith International Conference on Pattern Recognition and Information Processing*, vol.1, Eds. R.Sadykhov et al., Informa: Technical University Szczecin, 113-116.
- 25.** Tingleff O., Antanas Žilinskas, Zilinskas J. (1998) A two dimensional optimization algorithm based on new statistical model of multimodal functions, *Global and Multiple Criteria Optimization and Information System Quality*, Ch.Carlson and I.Ericsson (Eds.), Abo Akademi, 103-112.
- 24.** Antanas Žilinskas (1997) On quadratic convergence of visualisation algorithm, *Proceedings of 4th International Conference on Pattern Recognition and Information Processing*, vol.1, V.Krasnoproshin (Ed.), Technical University Szszecin, 202-204.
- 23.** Merkyte G., Antanas Žilinskas (1997) How to study the algorithms? *Reform of Education and Training of Teachers*, vol.4, VPU: Vilnius, 217-222.
- 22.** Antanas Žilinskas, Talutis A. (1995) A method of three-dimensional scaling, *17th IFIP Conference on System Modelling and Optimization, Abstracts*, vol.2, UTIA: Prague, 359-362.
- 21.** Mathar R., Antanas Žilinskas (1995) On optimal throughput of ALOHA, *Proceedings of 3rd IFIP Working Conference on Optimization-Based Computer Aided Modelling and Design*, UTIA: Prague, 299 - 304.
- 20.** Antanas Žilinskas (1993) On visualization of optimization process, *Parametric Optimization and Related Topics 3*, ed. by J. Guddat et al, Frankfurt am Main: Peter Lang Verlag, 549-556.
- 19.** Antanas Žilinskas (1992) Two remarks on global optimization, *Numerical methods and optimization*, vol.3, Tallin: Estonian Academy of Sciences, 97-102.

- 18. Antanas Žilinskas** (1992) Statistical models of multimodal functions and construction of global optimization algorithms, Optimization: *Models, Methods, Solutions*, ed. V.P.Bulatov, Novosibirsk: Nauka, 81-90, in Russian.
- 17. Antanas Žilinskas** (1988) Global optimization in the presence of noise. *IMACS*, 88, vol. 2, IMACS: Paris, 56-58.
- 16. Antanas Žilinskas** (1988) Representation of the results of multidimensional global optimization in the plane, *Numerical Methods in Optimization and Solving of Equations*, Tallin: Valgus, 93-100, in Russian.
- 15. Antanas Žilinskas** (1987) Axiomatic construction of the models of complicated functions under uncertainty. *Stochastic Control*, edited by no.K.Sinha and L.Telksnys, IFAC, Pergamon Press: Oxford, 253-255.
- 14. Katkauskaitė A., Piliavskij V., Antanas Žilinskas** (1987) On statistical models of global optimization and their applicationo. *Internationaler Kongress ueber Anwendungen der Mathematik in den Ingenieurwinenschaften*, Berichte 4, Weimar: HAB, 94-97.
- 13. Katkauskaitė A., Antanas Žilinskas** (1987) Global optimization in the presence of noise, Tagung *Modellierung, Optimierung und Steuerung von Systemen*, Heft 4, Leipzig: Technische Hochschule, 162-163.
- 12. Katkauskaitė A., Antanas Žilinskas** (1987) On statistical models of global optimization in the presence of noise. *Tagung Mathematische Optimierung-Theorie und Anwendungen*, Eisenach: TH Ilmenau, 162-163.
- 11. Vitortas S., Gudonaviciute V., Antanas Žilinskas** (1984) Investigation of resolution of sectioned magnetic deflection system. *Proceedings of Republican Conference, ser. Radioelectronics*, Kaunas: KPI, 71-73, in Russian.
- 10. Antanas Žilinskas** (1984) Search strategies of axiomatically based algorithms for global optimization optimizatio. *10th Internacionaler Kongress ueber Anwendugen der Mathematik in den Ingenieuwissenschften*, Weimar, 94-96.
- 9. Antanas Žilinskas** (1983) On models of complicated functions under uncertainty. *Trans.of 9th. Prague Conf. Inform. Theory, Stat.Dec. Funct., Rand.Proc.*, Prague: Academia, 113-118.
- 8.F.Grigas F.,Gudonaviciute V., Antanas Žilinskas** (1982) On Methods of optimization of parameters of magnetic deflection systems. *Proceedings of Lithuanian Technical Universities, Radioelectronics*, vol.18, no.2, Kaunas: KPI, 85-90, in Russian.
- 7. Antanas Žilinskas** (1982) Axiomatic approach to multimodal optimization, *27 Internationales Wissenschaftliches Kolloquium*, Heft 5, Ilmenau: Technische Hochschule, 37-40.
- 6. Antanas Žilinskas** (1982) Results of application of multimodal optimization algorithms based on statistical models. *COMPSTAT 82*, Wien: Physica Verlag, 457-462.
- 5. Antanas Žilinskas** (1980) The use of statistical models for construction of multimodal optimization algorithms. *Third Czech.-Soviet-Hungarian Seminar on Information Theory*, Prague: Academia, 219-224.
- 4. Antanas Žilinskas**, Katkauskaitė A. (1978) Construction of stochastic models of complicated functions under uncertainty, *Proceedings of 7th All-Union Conference in Coding Theory and Information Transmission*, vol.1, Moscow: Academy of Sciences, 70-74, in Russian.
- 3. Antanas Žilinskas** (1978) On one-dimensional multimodal minimization, *Trans of 8th Prague Conf. on Inform. Theory, Stat. Dec. Func., Rand.Proc*, vol. B, Prague: Academia, 392-402.
- 2. Mockus J., Tesis V., Antanas Žilinskas** (1978) The application of Bayesian methods for seeking the extremum. *Towards Global Optimization*,vol. 2, Amsterdam: North Holland, 117-130.
- 1. Antanas Žilinskas**, Timofiejev L. (1973) Implementation of Bayesian algorithms of search for extremum, *Proceedings of 5 th Winter School on Mathematical Programming and Related Topics*, vol.1, Moscow: CEMI, 182-189, in Russian.

**KNYGŲ RECENZIJOS ŽURNALUOSE, TURINČIUOSE POVEIKIO (IMPACT)
FAKTORIŲ WEB OF SCIENCE DUOENŲ BAZĖJE**

- 45.** Sergeyev Y.D., Kvasov D. (2017) Deterministic global optimization: an introduction to the diagonal approach; *Optimization Letters*, vol.15, (2021), 287–288.
- 44.** Mansini R., Ogryczak W., Speranza M.G. (2015) Linear and Mixed Integer Programming for Portfolio Optimization, Springer; *Interfaces*, vol. 47, (2017), 108-109.
- 43.** Luc, D. (2015) Multiobjective Linear Programming, An Introduction, Springer; *Interfaces*, vol. 46 (2016), 550-551.
- 42.** Joro T., Korhonen P. (2015) Extension of Data Envelopment Analysis with Preference Information: Value, Efficiency; Springer; *Interfaces*, vol. 46 (2016), 110-112.
- 41.** Doumpos,M., Grigoroudis E. (2013) Multicriteria Decision Aid and Artificial Intelligence: Links, Theory and Applications, Wiley; *Interfaces*, vol. 45 (2015), 365 - 367.
- 40.** Scholz D. (2012) Deterministic global optimization: geometric branch and bound methods and their applications, Springer; *Interfaces*, vol.43 (2013), 105-106.
- 39.** Triantaphyllou E. (2010) Data Mining and Knowledge Discovery via Logic-Based Methods, Springer; *Interfaces*, vol. 42 (2012), 221-223.
- 38.** Zopounidis C., Pardalos P. (2010) Handbook of Multicriteria Analysis,_Springer; *Interfaces*, vol. 41 (2011), 402-405 .
- 37.** Alba E., Dorronosoro B. (2008) Cellular genetic algorithms, Springer; *Interfaces*, vol. 40 (2010), 85-87.
- 36.** Gross J. (207) Combinatorial methods with computer applications, Springer; *Interfaces*, vol. 40 (2010), 246-247.
- 35.** Caramia M., Dell'Olmo, P. (2008) Multi-Objective Management in Freight Logistics: Increasing Capacity, Service Level and Safety with Optimization Algorithms, Springer; *Interfaces*, vol. 40 (2010), 87 - 88
- 34.** Chinneck J. (2008) Feasibility and Infeasibility in Optimization: Algorithms and Computational Methods, Springer; *Interfaces* vol. 39 (2009), 292-295.
- 33.** Cao X. (2007) Stochastic Learning and Optimization: A Sensitivity-Based Approach, Springer; *Interfaces*, vol. 39, (2009), 172-174.
- 32.** Ho Y., Zhao Q., Jia Q. (2007) Ordinal Optimization: Soft Optimization for Hard Problems, Springer; *Interfaces*, vol. 39 , (2009), 93-95.
- 31.** Kandiller L. (2007) Principles of mathematics in operations research, Springer; *Interfaces*, vol. 38 (2008), 77-78.
- 30.** Krabs W., Pickl S. (2007) Modelling, Analysis and Optimization of Biosystems, Springer; *Interfaces*, vol. 38 (2008), 488-490.
- 29.** Michalewicz Z., et al. (2007) Adaptive business intelligence, Springer; *Interfaces*, vol. 38 (2008), 215-217 .
- 28.** Appa G., Pitsoulis L., Williams H. (2006) Handbook on modelling for discrete optimization, Springer; *Interfaces*, vol. 38 (2008), 152-154.
- 27.** Schwindt Ch. (2005) Resource allocation in project management, Springer; *Interfaces* vol. 37 (2007), 86-87.
- 26.** Fiedler E., et al, (2006) Linear optimization problems with inexact data, Springer; *Interfaces*, vol. 37 (2007), 301-302.
- 25.** Conejo et al. (2006) Decomposition techniques in mathematical programming: Engineering and service applications, Springer. *Interfaces*, vol. 37 (2007), 488-490.
- 24.** Buklev J. (2004) Introduction to Rare Event Simulation, Springer; *Interfaces*, vol.36 (2006), 87-88.

- 23.** Bajalinov E. (2003) Linear-Fractional Programming: Theory, Methods, Applications and Software, Kluwer; *Interfaces*, vol.36 (2006), 473-474.
- 22.** Di Pillo G., Murli A. (2003) High Performance Algorithms and Software for Nonlinear Optimization, Kluwer; *Interfaces*, vol.35 (2005), 186-187.
- 21** Gosavi, A. (2003) Simulation-Based Optimization: Parametric Optimization Techniques and Reinforcement Learning, Kluwer Academic Publishers, Kluwer; *Interfaces*, vol.35 (2005), 535-536.
- 20.** Ross TJ, Booker JM, Parkinson WJ. (2004) Fuzzy logic and probability applications: Bridging the gap, SIAM-ASA; *Interfaces*, vol. 34 (2004), 75-76.
- 19.** Sakawa M. (2004) Genetic algorithms and fuzzy multiobjective optimization, Kluwer; *Interfaces*, 34 (2004) 76-78.
- 18.** Press S.J. (2004) Subjective and objective Bayesian statistics: principles, models and applications, J.Wiley; *Interfaces*, vol.34 (2004), 163-164.
- 17.** Chen H. (2002) Stochastic approximation and its applications, Kluwer; *Optimization Methods and Software*, vol.19 (2004), 243-244.
- 16.** Collette Y., Siarry P. (2003) Multiobjective optimization: principles and case studies, Springer; *Interfaces*, vol.34 (2004), 469-470.
- 15.** Glasserman P. (2004) Monte-Carlo methods in financial engineering: application of mathematics, stochastic modelling and applied probability, Springer; *Interfaces*, vol.34 (2004), 470-472.
- 14.** Sule D. (2001) Logistics of facility location and allocation, Marcel Dekker; *Interfaces*, vol.33, (2003), 99-100.
- 13.** Winkler P. (2001) Optimization Heuristics in Econometric Applications of Threshold Accepting, J.Wiley; *Interfaces*, vol.33 (2003), 80-82.
- 12.** Castillo E., et al. (2002) Building and solving mathematical programming models in engineering and science, J.Wiley; *Interfaces*, vol.33 (2003), 80-82.
- 11.** Shi Y. (2001) Multiple criteria and multiple constraint levels linear programming, World Scientific Publishing; *Interfaces*, vol.33 (2003), 95-96.
- 10.** Cox, L.A.Jr. (2002) Risk Analysis Foundations, Models and Methods, Kluwer Academic Publishers; *Interfaces*, vol. 33 (2003), 112-113.
- 9.** Du D., and Ko K. (2002) Theory of Computational Complexity, J.Wiley; *Interfaces*, vol.32 (2002), 93-94.
- 8.** Chan Y. (2001) Location theory and decision analysis, South-Western College Publishing; *Interfaces*, vol.32 (2002), 97-98.
- 7.** Zapounidis C. and Pardalos P. (1999) Managing in Uncertainty: Theory and Praxis, Kluwer, Dodrecht; *Optimization Methods and Software*, vol.15 (2002), 331-333.
- 6.** Klein R. (2000) Scheduling of Resource Constrained Projects, Kluwer, Dodrecht; *Interfaces*, vol.31 (2001), 133-135.
- 5.** Lootsma F. (1999) Multicriteria Decision Analysis via Ratio and Difference Judgement, Kluwer, Dodrecht; *Interfaces*, vol.31 (2001), 151-152.
- 4.** Clemen R., and Reily T. (2001) Making hard Decisions with Decision Tools, Duxbury; *Interfaces*, vol.31 (2001), 127-129.
- 3** Haimes Y. (1998) Risk Modeling, Assesment, and Management, J.Wiley; *Interfaces*, vol. 30 (2000), 138-139.
- 2.** Zapounidis C. and Dimitras A. (1998) Multicriteria Decision Aid Methods for the Prediction of Business Failure, Kluwer, Dodrecht; *Interfaces*, vol. 30 (2000), 104-105.
- 1.** Nemhauser G., Wolsey L. (2000) Integer and Combinatorial Optimization, J.Wiley; *Interfaces*, vol. 30 (2000), 110-112.

VADOVĖLIAI IR MOKYMO PRIEMONĖS

- 1.** Šaltenis V., **Antanas Žilinskas**, *Techninių optimizavimo uždavinių sprendimas*, Vilnius: Mokslas, 1986, 121 p.
- 2 .** **Antanas Žilinskas**, R. Petruskas, J. Klapatauskas, *Programavimas Beisiko ir Fokalo kalbomis*, Vilnius: Lietuvos Aukštojo ir Specialiojo Vidurinio Mokslo Ministerija, 1987, 100p.
- 3. Antanas Žilinskas**, *Naujieji projektavimo metodai*. Vilnius: Mokslas, 1990, 110p.
- 4. Antanas Žilinskas**, ir kiti, *Sistemų analizė, projektavimas, optimizavimas ir taikymai*, - Sibiro Aerokosminė Akademija, Krasnojarsk, 1996,-pirmoji dalis - 206p, antroji dalis - 290p, (bendraautoriai A.Antamoshkin, M. Volovik, B. Ganzhenko, G. Yin, S. Korobeinikov, A. Torn, HP. Schwefel, B. Scheludko), rusų kalba.
- 5. Antanas Žilinskas**, ir kiti, *Informatikos įvadas*, Apyausris, Vilnius, 1996,- 195p, (bendraautoriai: A. Balčytienė, G. Leonavičius, J. Stankevičius, A. Talutis, E. Valavičius).
- 6. Antanas Žilinskas**, ir kiti, *Informatika 1*, Baltic Eko, 1997, - 277 p., (bendraautoriai A. Balčytienė, G. Leonavičius, J. Stankevičius, E. Valavičius);
- 7. Antanas Žilinskas**, ir kiti, *Informatika 2*, Baltic Eko, 1998, - 191 p., (bendraautoriai G. Dzemyda ir V. Šaltenis).
- 8. Antanas Žilinskas**, ir kiti, *Informatika*, Aldorija, 2000, - 344p., (bendraautoriai G. Leonavičius ir E. Valavičius).
- 9. Antanas Žilinskas**, *Matematinis Programavimas*, Vytauto Didžiojo Universitetas, Kaunas, 1999, 184 p.., antras leidimas, 2000, 228p.