

UNIVERZITA KOMENSKÉHO V BRATISLAVE
FAKULTA MATEMATIKY, FYZIKY A INFORMATIKY

Zoznam publikačnej činnosti

doc. Mgr. Radoslav Harman, PhD.

ADC Vedecké práce v zahraničných karentovaných časopisoch

ADC01 Pavlásek, Juraj (aut) (40%) - Jenča, Ján (aut) (30%) - Harman, Radoslav (aut) [UKOMFKAMS] (30%): Rate coding: neurobiological network performing detection of the difference between mean spiking rates

Lit. 38 záz. n.

In: Acta Neurobiologiae Experimentalis. - Vol. 63, No. 2 (2003), s. 83-98. - ISSN 0065-1400

Ohlasy (1):

[o1] 2005 ~ Valko, M. - Marques, N. C. - Castellani, M.: Evolutionary feature selection for spiking neural network pattern classifiers. In: 2005 Portuguese Conference on Artificial Intelligence, Proceedings. New York : IEEE, 2005, S. 181-187-- CPCI-S

ADC02 Harman, Radoslav (aut) [UKOMFKAMS] (50%) - Pronzato, Luc (aut) (50%): Improvements on removing nonoptimal support points in D-optimum design algorithms

Lit. 7 záz. n., 1 obr., 1 tab.

In: Statistics & Probability Letters. - Vol. 77, No. 1 (2007), s. 90-94. - ISSN 0167-7152

Ohlasy (34):

[o1] 2008 ~ Dette, H. - Pepelyshev, A. - Zhigljavsky, A.: Improving updating rules in multiplicative algorithms for computing D-optimal designs. In: Computational Statistics and Data Analysis, Vol. 53, No. 2, 2007, s. 312-320 -- SCI ; SCOPUS

[o3] 2009 ~ Ahipasaoglu, S. D.: Solving ellipsoidal inclusion and optimal experimental design problems: Theory and algorithms. New York : [s.n.], 2009, 133 s.

[o1] 2009 ~ Berger, M. P. F. - Wong, W.-K.: An Introduction to Optimal Designs for Social and Biomedical Research. Chichester : John Wiley & Sons, 2009, 333 s. -- SCOPUS

[o1] 2009 ~ Torsney, B.: W-Iterations and Ripples Therefrom. In: Optimal Design and Related Areas in Optimization and Statistics : Springer Series in Optimization and its Applications, Vol. 28. New York : Springer, 2009, s. 1-12 -- CPCI-S

[o1] 2009 ~ Torsney, B. - Martin-Martin, R.: Multiplicative algorithms for computing optimum designs. In: Journal of Statistical Planning and Inference, Vol. 139, No. 12, 2009, s. 3947-3961 -- SCI ; SCOPUS

[o1] 2010 ~ Yu, Y.: Strict monotonicity and convergence rate of Titterington's algorithm for computing D-optimal designs. In: Computational Statistics and Data Analysis, Vol. 54, No. 6, 2010, s. 1419-1425 -- SCI ; SCOPUS

[o1] 2010 ~ Yu, Y.: Monotonic convergence of a general algorithm for computing optimal designs. In: Annals of Statistics, Vol. 38, No. 3, 2010, s. 1593-1606 -- SCI ; SCOPUS

[o1] 2011 ~ Sagnol, G.: Computing optimal designs of multiresponse experiments reduces to second-order cone programming. In: Journal of Statistical Planning and Inference, Vol. 141, No. 5, 2011, s. 1684-1708 -- SCI ; SCOPUS

[o1] 2011 ~ Yu, Y.: D-optimal designs via a cocktail algorithm. In: Statistics and Computing, Vol. 21, No. 4, 2011, s. 475-481 -- SCI ; SCOPUS

[o1] 2012 ~ Holland-Letz, T. - Dette, H. - Renard, D.: Efficient Algorithms for Optimal Designs with Correlated Observations in Pharmacokinetics and Dose-Finding Studies. In: Biometrics, Vol. 68, No. 1, 2012, s. 138-146 -- SCI ; SCOPUS

[o1] 2012 ~ Martín-Martín, R. - Rodríguez-Aragón, L. J. - Torsney, B.: Multiplicative algorithm for computing D-optimum designs for pVT measurements. In: Chemometrics and Intelligent Laboratory Systems, Vol. 111, No. 1, 2012, s. 20-27 -- SCI ; SCOPUS

- [o1] 2013 ~ Fedorov, V. V. - Leonov, S. L.: Optimal Design for Nonlinear Response Models. Boca Raton : CRC Press, 2013, 369 s. -- BKCI-S ; SCOPUS
- [o1] 2013 ~ Lu, Z. - Pong, T. K.: Computing optimal experimental designs via interior point method. In: SIAM Journal on Matrix Analysis and Applications, Vol. 34, No. 4, 2013, s. 1556-1580 -- SCI ; SCOPUS
- [o1] 2013 ~ Yang, M. - Biedermann, S. - Tang, E.: On optimal designs for nonlinear models: A general and efficient algorithm. In: Journal of the American Statistical Association, Vol. 108, No. 504, 2013, s. 1411-1420 -- SCI ; SCOPUS
- [o1] 2014 ~ Gao, W. - Chan, P. S. - Ng, H. K. T. - Lu, X.: Efficient computational algorithm for optimal allocation in regression models. In: Journal of Computational and Applied Mathematics, Vol. 261, 2014, s. 118-126 -- SCI ; SCOPUS
- [o1] 2014 ~ Maymon, S. - Eldar, Y. C.: Identification of power line outages. In: European Signal Processing Conference (EUSIPCO 2014). Lisbon : EUSIPCO, 2014, S. 1093-1097 -- SCOPUS
- [o1] 2015 ~ Ahipasaoglu, S. D.: A first-order algorithm for the A-optimal experimental design problem: a mathematical programming approach. In: Statistics and Computing, Vol. 25, No. 6, 2015, s. 1113-1127 -- SCI ; SCOPUS
- [o1] 2015 ~ Ahipasaoglu, S. D.: Fast algorithms for the minimum volume estimator. In: Journal of Global Optimization, Vol. 62, No. 2, 2015, s. 351-370 -- SCI ; SCOPUS
- [o1] 2015 ~ Al Labadi, L.: Some refinements on Fedorov's algorithms for constructing D-optimal designs. In: Brazilian Journal of Probability and Statistics, Vol. 29, No. 1, 2015, s. 53-70 -- SCI ; SCOPUS
- [o1] 2015 ~ Duarte, B. P. M. - Wong, W. K.: Finding Bayesian Optimal Designs for Nonlinear Models: A Semidefinite Programming-Based Approach. In: International Statistical Review, Vol. 83, No. 2, 2015, s. 239-262 -- SCI ; SCOPUS
- [o3] 2015 ~ Mandal, A. - Wong, W. K. Yu, Y.: Algorithmic Searches for Optimal Designs : Section VI Cross-Cutting Issues. In: Handbook of Design and Analysis of Experiments : Chapman & Hall/CRC Handbooks of Modern Statistical Methods. BocaRaton : CRC Press-Taylor and Francis Group, 2015, S. 781
- [o1] 2015 ~ Martín Martín, R. - Camacha Gutierrez, I. G.: Combined algorithm to compute D-optimal designs. In: Journal of Computational and Applied Mathematics, Vol. 78, 2015, s. 248-257 -- SCI ; SCOPUS
- [o1] 2016 ~ Källberg, L. - Larsson, T.: A filtering heuristic for the computation of minimum-volume enclosing ellipsoids. In: 10th Annual International Conference on Combinatorial Optimization and Applications, COCOA 2016 : Lecture Notes in Computer Science, Vol. 10043. Cham : Springer, 2016, S. 744-753 -- SCOPUS
- [o1] 2016 ~ Todd, M. J.: Minimum-Volume Ellipsoids: Theory and Algorithms. Philadelphia : SIAM, 2016, 149 s. -- BKCI-S
- [o1] 2017 ~ Celant, G. - Broniatowski, M.: Interpolation and Extrapolation Optimal Designs 2: Finite Dimensional General Models. Hoboken : Wiley, 2017, S. 1-298 -- SCOPUS
- [o1] 2018 ~ Duarte, B. P. M. - Wong, W. K. - Dette, H.: Adaptive grid semidefinite programming for finding optimal designs. In: Statistics and Computing, Vol. 28, No. 2, 2018, s. 441-460 -- SCI ; SCOPUS
- [o1] 2019 ~ Duarte, B. P. M. - Atkinson, A. C. - Granjo, J. F. O. - Oliveira, N. M. C.: Optimal design of experiments for liquid-liquid equilibria characterization via semidefinite programming. In: Processes, Vol. 7, No. 11, 2019, Artr. No.834 -- SCI ; SCOPUS
- [o1] 2019 ~ Gaffke, N. - Schwabe, R.: Quasi-Newton algorithm for optimal approximate linear regression design: Optimization in matrix space. In: Journal of Statistical Planning and Inference, Vol. 198, 2019, s. 62-78 -- SCI ; SCOPUS
- [o1] 2019 ~ Ozdemir, A. - Cho, B. R.: Response surface optimization for a nonlinearly constrained irregular experimental design space. In: Engineering Optimization, Vol. 51, No. 12, 2019, s. 2030-2048 -- SCI ; SCOPUS
- [o1] 2020 ~ Aydi, A. - Zibetti, A. W. - Al-Khazaal, A. Z. - Eladeb, A. - Adberraba, M. - Barth, D.: Supercritical CO₂ extraction of extracted oil from Pistacia lentiscus L.: Mathematical modeling, economic evaluation and scale-up. In: Molecules, Vol. 25, No. 1, 2020, Art. No. 199 -- SCOPUS
- [o1] 2020 ~ Ucinski, D.: Construction of constrained experimental designs on finite spaces for a modified EK-optimality criterion. In: International Journal of Applied Mathematics and Computer ScienceOpen Access, Vol. 30, No. 4, 2020, s.659-677 -- SCOPUS
- [o1] 2021 ~ Araújo, A. S. - Andrade, D. F. - Babos, D. V. - Castro, J. P. - Garcia, J. A. - Sperança, M. A. - Gamela, R. R. - Machado, R. C. - Costa, V. C. - Guedes, W. N. - Pereira-Filho, E. R. - Pereira, F. M. V.: Key

information related to quality by design (QbD) applications in analytical methods development. In: *Brazilian Journal of Analytical Chemistry*, Vol. 8, No. 30, 2021, s. 14-28 -- SCI ; SCOPUS

[n1] 2022 zz ~ Duarte, B. P. M. - Atkinson, A. C. - Granjo, J. F. O. - Oliveira, N. M. C.: Optimal Design of Experiments for Implicit Models. In: *Journal of the American Statistical Association*, vol. 117, no. 539, 2022, s. 1424-1437 -- SCI ; SCOPUS

[n1] 2022 zz ~ Kusumo, K. P. - Kuriyan, K. - Vaidyaraman, S. - García Muñoz, S. - Shah, N. - Chachuat, B.: Probabilistic framework for optimal experimental campaigns in the presence of operational constraints. In: *Reaction Chemistry and Engineering*, Vol. 7, No. 11, 2022, s. 2359-2374 -- SCI ; SCOPUS

ADC03 Harman, Radoslav (aut) [UKOMFKAMS] (50%) - Lacko, Vladimír (aut) [UKOMFKAMSd] (50%): On decompositional algorithms for uniform sampling from n-spheres and n-balls
Lit. 31 zázň., 1 obr., 1 tab.

In: *Journal of Multivariate Analysis*. - Vol. 101, No. 10 (2010), s. 2297-2304. - ISSN 0047-259X

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[o3] 2014 ~ Defaux, G. - Evrard, P.: Probabilistic analysis of a containment vessel subjected to dynamic pressure loading using surrogate models. In: *Safety, Reliability, Risk and Life-Cycle Performance of Structures and Infrastructures*. Boca Raton : CRC Press, 2014, S. 3210

[o1] 2014 ~ Fiori, S.: Auto-regressive moving-average discrete-time dynamical systems and autocorrelation functions on real-valued Riemannian matrix manifolds. In: *Discrete and Continuous Dynamical Systems-Series B*, Vol. 19, No. 9, 2014, s. 2785-2808 -- SCI ; SCOPUS

[o1] 2014 ~ Peake, M. J. - Trevelyan, J. - Coates, G.: The equal spacing of N points on a sphere with application to partition-of-unity wave diffraction problems. In: *Engineering Analysis with Boundary Elements*, Vol. 40, 2014, s. 114-122 -- SCI ; SCOPUS

[o1] 2015 ~ Hui, Z. - Sankaranarayanan, A.: A dictionary-based approach for estimating shape and spatially-varying reflectance. In: *Computational Photography, ICCP 2015*. New York : IEEE, 2015, Art. No. 7168363 -- CPCI-S ; SCOPUS

[o1] 2017 ~ Hui, Z. - Sankaranarayanan, A. C.: Shape and Spatially-Varying Reflectance Estimation from Virtual Exemplars. In: *IEEE Transactions on Pattern Analysis and Machine Intelligence*, Vol. 39, No. 10, 2017, s. 2060-2073 -- SCI ; SCOPUS

[o1] 2017 ~ Jin, C. - Ge, R. - Netrapalli, P. - Kakade, S. M. - Jordan, M. I.: How to Escape Saddle Points Efficiently. In: *Proceedings of the 34th International Conference on Machine Learning : Proceedings of Machine Learning Research*, Vol. 70. [S. 1.] : MLR Press, 2017, S. 1724-1732 -- SCOPUS

[o1] 2017 ~ Rohlf, F. J.: The Method of Random Skewers. In: *Evolutionary Biology*, Vol. 44, No. 4, 2017, s. 542-550 -- SCI ; SCOPUS

[o1] 2018 ~ Laugel, T. - Lesot, M. J. - Marsala, C. - Renard, X. - Detyniecki, M.: Comparison-Based Inverse Classification for Interpretability in Machine Learning. In: *Information Processing and Management of Uncertainty in Knowledge-Based Systems: Theory and Foundations, IJMLA 2018, Part I : Communications in Computer and Information Science*, Vol. 853. Berlin : Springer-Verlag Berlin, 2018, s. 100-111 -- CPCI-S ; SCOPUS

[o1] 2019 ~ Ahmadi-Javid, A. - Moeini, A.: Uniform distributions and random variate generation over generalized $l(p)$ balls and spheres. In: *Journal of Statistical Planning and Inference*, Vol. 201, 2019, s. 1-19 -- SCI ; SCOPUS

[o1] 2019 ~ Camino, J. T. - Artigues, C. - Houssin, L. - Mourgues, S.: Linearization of Euclidean norm dependent inequalities applied to multibeam satellites design. In: *Computational Optimization and Applications*, Vol. 73, No. 2, 2019, s. 679-705 -- SCI ; SCOPUS

[o1] 2019 ~ Golyanik, V. - Theobalt, C.: Uniform distributions and random variate generation over generalized l_p balls and spheres. In: *Journal of Statistical Planning and Inference*, Vol. 201, 2019, s. 1-19 -- SCOPUS

[o1] 2019 ~ Patrangenu, V. - Bubenik, P. - Paige, R. L. - Osborne, D.: Challenges in Topological Object Data Analysis. In: *Sankhya-Series A-Mathematical Statistics and Probability*, Vol. 81, No. 1, 2019, s. 244-271 -- SCI ; SCOPUS

[o1] 2019 ~ Perrone, V. - Shen, H. - Seeger, M. - Archambeau, C. - Jenatton, R.: Learning search spaces for Bayesian optimization: Another view of hyperparameter transfer learning. In: *Advances in Neural Information*

Processing Systems 32 (Nips2019) : Advances in Neural Information Processing Systems, Vol. 32. La Jolla : Neural Information Processing Systems (Nips), 2019, [s. 1-17] -- CPCI-S ; SCOPUS

[o1] 2019 ~ Prokudin, S. - Lassner, C. - Romero, J.: Efficient Learning on Point Clouds With Basis Point Sets. In: 2019 IEEE/CVF International Conference on Computer Vision (ICCV 2019). New York : IEEE, 2019, art. no. 9010980, S. 4331-4340 --SCI ; SCOPUS

[o1] 2019 ~ Richter, W. D.: On (p 1, ,pk)-spherical distributions. In: Journal of Statistical Distributions and Applications, Vol. 6, No. 1, 2019, Art. No. 9 -- SCOPUS

[o1] 2020 ~ Bowers, A. - Bunn, J. - Kim, M.: Efficient Methods to Calculate Partial Sphere Surface Areas for a Higher Resolution Finite Volume Method for Diffusion-Reaction Systems in Biological Modeling. In: Mathematical and Computational Applications, Vol. 25, No. 1, 2020, Art. No. 2 -- SCI ; SCOPUS

[o1] 2020 ~ Enomoto, K. - Waechter, M. - Kutulakos, K. N. - Matsushita, Y.: Photometric Stereo via Discrete Hypothesis-and-Test Search. In: 2020 Ieee/Cvf Conference on Computer Vision and Pattern Recognition (Cvpr) : IEEE Conference on Computer Vision and Pattern Recognition. New York : IEEE, 2020, s. 2308-2316 -- CPCI-S ; SCOPUS

[o1] 2020 ~ Herrmann, K. - Hofert, M. - Mailhot, M.: Multivariate Geometric Tail- and Range-Value-At-Risk. In: Astin Bulletin, Vol. 50, No. 1, 2020, Art. No. PII S051503611900031X, s. 265-292 -- SCI ; SCOPUS

[o1] 2020 ~ Kovalev, M. S. - Utkin, L. V.: A robust algorithm for explaining unreliable machine learning survival models using the Kolmogorov-Smirnov bounds. In: Neural Networks, Vol. 132, 2020, s. 1-18 -- SCI ; SCOPUS

[o1] 2020 ~ Kovalev, M. S. - Utkin, L. V. - Kasimov, E. M.: SurvLIME: A method for explaining machine learning survival models. In: Knowledge-Based Systems, Vol. 203, 2020, Art. No. 106164 -- SCI ; SCOPUS

[o1] 2020 ~ Pawelczyk, M. - Broelemann, K. - Kasneci, G.: Learning Model-Agnostic Counterfactual Explanations for Tabular Data. In: 29th International World Wide Web Conference (WWW 2020) : The Web Conference 2020 - Proceedings of the WorldWide Web Conference. [New York] : Association for Computing Machinery, 2020, S. 3126-3132 -- CPCI-S ; SCOPUS

[o1] 2020 ~ Utkin, L. V. - Kovalev, M. S. - Kasimov, E. M.: An Explanation Method for Black-Box Machine Learning Survival Models Using the Chebyshev Distance. In: Communications in Computer and Information Science, Vol. 1292. Cham : Ypringer,2020, S. 62-74 -- SCOPUS

[n1] 2021 zz ~ Agapie, A.: Spherical distributions used in evolutionary algorithms. In: Mathematics, vol. 9, no. 23, 2021, art. no. 3098 -- SCI ; SCOPUS

[n1] 2021 zz ~ Destrepes, F. - Cloutier, G.: Statistical modeling of ultrasound signals related to the packing factor of wave scattering phenomena for structural characterization. In: Journal of the Acoustical Society of America, vol. 150,no. 5, 2021, s. 3544-3556 -- SCI ; SCOPUS

[o1] 2021 ~ Gleason, J. D. - Vinod, A. P. - Oishi, M. M. K.: Lagrangian approximations for stochastic reachability of a target tube. In: Automatica, Vol. 128, 2021, art. no. 109546 -- SCI ; SCOPUS

[o1] 2021 ~ Hariri, S. - Kind, M. C. - Brunner, R. J.: Extended Isolation Forest. In: IEEE Transactions on Knowledge and Data Engineering, Vol. 33, No. 4, 2021, s. 1479-1489 -- SCI ; SCOPUS

[n1] 2021 zz ~ Li, Y. - Liu, S. - Wu, C. - Xi, X. - Cao, G. - Cao, W.: DCFG: Discovering Directional CounterFactual Generation for Chest X-rays. In: Proceedings - 2021 IEEE International Conference on Bioinformatics and Biomedicine, BIBM 2021. New York : IEEE, 2021, S. 972-979 -- SCOPUS

[o1] 2021 ~ Mukherjee, R.: A Modified Energy Statistic for Unsupervised Anomaly Detection. In: International Journal of Prognostics and Health Management, Vol. 12, No. 1, 2021, s. 1-15 -- SCI

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[o1] 2021 ~ Utkin, L. - Kovalev, M. - Kasimov, E.: Explanation of siamese neural networks for weakly supervised learning. In: Computing and Informatics, Vol. 39, No. 6, 2021, s. 1172-1202 -- SCOPUS

[o1] 2021 ~ Vinod, A. P. - Oishi, M. M. K.: Probabilistic occupancy via forward stochastic reachability for markov jump affine systems. In: IEEE Transactions on Automatic Control, Vol. 66, No. 7, 2021, art. no. 9157911, s. 3068-3083 -- SCI ; SCOPUS

[n1] 2022 zz ~ Agapie, A. - Solomon, O. - Giuclea, M.: Theory of (1 + 1) ES on the RIDGE. In: IEEE Transactions on Evolutionary Computation, Vol. 26, No. 3, 2022, s. 501-511 -- SCI ; SCOPUS

[n1] 2022 zz ~ Fuchsbauer, G. - Ghosal, R. - Hauke, N. - O'Neill, A.: Approximate Distance-Comparison-Preserving Symmetric Encryption. In: 13th International Conference on Security and

Cryptography for Networks, SCN 2022 : Lecture Notes in Computer Science, vol. 13409. Cham : Springer, 2022, S. 117-144 -- SCI ; SCOPUS

[n1] 2022 zz ~ Guo, H. - Yang, X.: Deep Unfitted Nitsche Method for Elliptic Interface Problems. In: Communications in Computational Physics, vol. 31, no. 4, 2022, s. 1162-1179 -- SCI ; SCOPUS

[n2] 2022 zz ~ Lew, T. - Janson, L. - Bonalli, R. - Pavone, M.: A Simple and Efficient Sampling-based Algorithm for General Reachability Analysis. In: 4th Annual Conference on Learning for Dynamics and Control : Proceedings of Machine Learning Research, Vol. 168. [S. l.] : MLR Press, 2022, S. 1 14

[n1] 2022 zz ~ Qin, X. - Xu, X. - Luo, X.: Global Convergence of Noisy Gradient Descent. In: Conference Proceedings - IEEE International Conference on Systems, Man and Cybernetics, SMC 2022. New York : IEEE, 2022, S. 2109-2115 -- SCOPUS

[n1] 2022 zz ~ Ruiz-Lorenzo, J. J. - Dudka, M. - Holovatch, Y.: Critical behavior of the three-dimensional random-anisotropy Heisenberg model. In: Physical Review E, vol. 106, no. 3, 2022, art. no. 034123 -- SCOPUS

[n1] 2022 zz ~ Sarvilahti, M. - Laurson, L.: Bayesian optimization of discrete dislocation plasticity of two-dimensional precipitation-hardened crystals. In: Physical Review Materials, vol. 6, no. 12, 2022, art. no. 123801 -- SCI ; SCOPUS

[n1] 2022 zz ~ Voinitchi, C. D. - Caragheorghopol, D. - Capatana, F. - Matei, A.: Monte Carlo Simulation and Statistical Approach of Fiber Distribution in a Section of a Concrete Prism. Infinite Section Case. In: Revista Romana de Materiale/Romanian Journal of Materials, vol. 52, no. 3, 2022, s. 252-257 -- SCI ; SCOPUS

[n1] 2022 zz ~ Wang, X.: Fast computation of inverse transient analysis for pipeline condition assessment via surrogate modeling with sparse sampling strategy. In: Mechanical Systems and Signal Processing, Vol. 162, 2022, art. no. 107995 --SCI ; SCOPUS

[n1] 2023 zz ~ Filippozzi, R. - Gonçalves, D. S. - Santos, L.-R.: First-order methods for the convex hull membership problem. In: European Journal of Operational Research, vol. 306, no. 1, 2023, s. 17-33 -- SCI ; SCOPUS

ADC04 Amo-Salas, Mariano (aut) (25%) - Vanesa Ortega-López, Vanesa (aut) (25%) - Harman, Radoslav (aut) [UKOMFKAMS] (25%) - Alonso-González, Augustín (aut) (25%): A new model for predicting the flight activity of *Lobesia botrana* (Lepidoptera: Tortricidae)
Lit. 26 zázň., 6 obr.
In: Crop Protection. - Vol. 30, No. 12 (2011), s. 1586-1593. - ISSN 0261-2194
Ohlasy (17):
[o1] 2014 ~ Thiery, D. - Monceau, K. - Moreau, J.: Larval intraspecific competition for food in the European grapevine moth *Lobesia botrana*. In: Bulletin of Entomological Research, Vol. 104, No. 4, 2014, s. 517-524 -- SCI ; SCOPUS
[o1] 2015 ~ Dagatti, C. V. - Becerra, V. C.: Fitting a phenological model to predict the behavior of *Lobesia botrana* (Lepidoptera: Tortricidae) in a Mendoza vineyard, Argentina. In: Revista De La Sociedad Entomologica Argentina, Vol. 74, No.3-4, 2015, s. 117-122 -- SCI
[o1] 2018 ~ Carlos, C. - Goncalves, F. - Oliveira, I. - Torres, L.: Is a biofix necessary for predicting the flight phenology of *Lobesia botrana* in Douro Demarcated Region vineyards?. In: Crop Protection, Vol. 110, 2018, s. 57-64 -- SCI ;SCOPUS
[o1] 2018 ~ Castex, V. - Beniston, M. - Calanca, P. - Fleury, D. - Moreau, J.: Pest management under climate change: The importance of understanding tritrophic relations. In: Science of the Total Environment, Vol. 616, 2018, s. 397-407 -- SCI; SCOPUS
[o1] 2018 ~ Lucchi, A. - Sambado, P. - Royo, A. B. J. - Bagnoli, B. - Benelli, G.: *Lobesia botrana* males mainly fly at dusk: video camera-assisted pheromone traps and implications for mating disruption. In: Journal of Pest Science, Vol. 91, No. 4, 2018, s. 1327-1334 -- SCI ; SCOPUS
[o1] 2018 ~ Moosavi, F. K. - Cargnus, E. - Pavan, F. - Zandigiacomo, P.: Effects of grapevine bunch exposure to sunlight on berry surface temperature and *Lobesia botrana* (Lepidoptera: Tortricidae) egg laying, hatching and larval settlement. In: Agricultural and Forest Entomology, Vol. 20, No. 3, 2018, s. 420-432 -- SCI ; SCOPUS
[o1] 2019 ~ Calzarano, F. - Valentini, G. - Arfelli, G. - Seghetti, L. - Manetta, A. C. - Metruccio, E. G. - Di Marco, S.: Activity of Italian natural chabasite-rich zeolitites against grey mould, sour rot and grapevine moth,

and effects on grape and wine composition. In: *Phytopathologia Mediterranea*, Vol. 58, No. 2, 2019, s. 307-321 -- SCI ; SCOPUS

[o1] 2019 ~ Heit, G. E. - Sione, W. F. - Acenolaza, P. G.: Spatio-temporal risk assessment models for *Lobesia botrana* in uncolonized winegrowing areas. In: *Journal of Plant Protection Research*, Vol. 59, No. 2, 2019, s. 265-272 -- SCOPUS

[o1] 2020 ~ Castex, V. - García de Cortázar-Atauri, I. - Calanca, P. - Beniston, M. - Moreau, J.: Assembling and testing a generic phenological model to predict *Lobesia botrana* voltinism for impact studies. In: *Ecological Modelling*, Vol. 420, 2020, Art. No. 108946 -- SCI ; SCOPUS

[o1] 2020 ~ Mondani, L. - Palumbo, R. - Tsitsigiannis, D. - Perdakis, D. - Mazzoni, E. - Battilani, P.: Pest Management and Ochratoxin A Contamination in Grapes: A Review. In: *Toxins*, Vol. 12, No. 5, 2020, Art. No. 303 -- SCI ; SCOPUS

[o1] 2020 ~ Rank, A. - Ramos, R. S. - da Silva, R. S. - Soares, J. R. S. - Picanco, M. C. - Fidelis, E. G.: Risk of the introduction of *Lobesia botrana* in suitable areas for *Vitis vinifera*. In: *Journal of Pest Science*, Vol. 93, No. 4, 2020, s. 1167-1179 -- SCI

[o1] 2020 ~ Rossini, L. - Contarini, M. - Severini, M. - Speranza, S.: Reformulation of the Distributed Delay Model to describe insect pest populations using count variables. In: *Ecological Modelling*, Vol. 436, 2020, Art. No. 109286 -- SCI ; SCOPUS

[o1] 2020 ~ Zhan, Y. - Liu, J. - Liu, Y.: The mating strategy and reproductive performance of *Agriphila aeneociliella* (Lepidoptera: Crambidae), a new insect pest of wheat in China. In: *Agricultural and Forest Entomology*, Vol. 22, No. 3, 2020, s. 203-211 -- SCI ; SCOPUS

[o1] 2021 ~ Lessio, F. - Alma, A.: Models Applied to Grapevine Pests: A Review. In: *Insects*, Vol. 12, No. 2, 2021, Art. No. 169 -- SCI ; SCOPUS

[o1] 2021 ~ Reis, S. - Martins, J. - Goncalves, F. - Carlos, C. - Santos, J. A.: European grapevine moth in the Douro region: Voltinism and climatic scenarios. In: *Oeno One*, Vol. 55, No. 2, 2021, s. 335-351 -- SCI ; SCOPUS

[n1] 2022 sk ~ Beranova, V. - Abraham, R. - Matecny, I. - Beracko, P. - Milics, G.: Impact of environmental conditions on the distribution of insect pests in Nitra region vineyards (Slovakia). In: *Geographia Cassoviensis*, vol. 16, no. 2, 2022, s. 130-143 -- SCI

[n2] 2023 zz ~ Balduque-Gil, J. - Lacueva-Pérez, F. J. - Labata-Lezaun, G. - del-Hoyo-Alonso, R. - Ilarri, S. - Sánchez-Hernández, E. - Martín-Ramos, P. - Barriuso-Vargas, J. J.: Big Data and Machine Learning to Improve European Grapevine Moth (*Lobesia botrana*) Predictions. In: *Plants*, Vol. 12, No. 3, 2023, art. no. 633

ADC05 Tučková, Michaela (aut) (30%) - Harman, Radoslav (aut) [UKOMFKAMS] (30%) - Tuček, Pavel (aut) (20%) - Tuček, Jiří (aut) (20%): Design of experiment for hysteresis loops measurement

Lit. 25 záz., 6 obr.

In: *Journal of Magnetism and Magnetic Materials*. - Vol. 368 (2014), s. 64-69. - ISSN 0304-8853

091 Fyzika

240 Matematika a štatistika

Kvartil Q:

wos-jcr -- Q2 [materials, science multidisciplinary] ; Q2 [physics, condensed matter] -- 2014

Ohlasy (3):

[o1] 2016 ~ Rom, A. - Miltner, A. - Wukovits, W. - Friedl, A.: Energy saving potential of hybrid membrane and distillation process in butanol purification: Experiments, modelling and simulation. In: *Chemical Engineering and Processing-Process Intensification*, Vol. 104, 2016, s. 201-211 -- SCI ; SCOPUS

[o1] 2017 ~ Liu, Y.: Discussion on several principal problems aroused from measuring high performance permanent magnetic materials. In: *International Journal of Applied Electromagnetics and Mechanics*, Vol. 55, No. 3, 2017, s. 453-479 -- SCI ; SCOPUS

[o1] 2018 ~ Kolivand, F. - Rahmnejad, R.: Estimation of geotechnical parameters using Taguchi's design of experiment (DOE) and back analysis methods based on field measurement data: Case study: Tehran Metro line no. 7. In: *Bulletin of Engineering Geology and the Environment*, Vol. 77, No. 4, 2018, s. 1763-1779 -- SCI ; SCOPUS

ADC06 Sagnol, Guillaume (aut) (50%) - Harman, Radoslav (aut) [UKOMFKAMS] (50%): Computing exact D-optimal design by mixed integer second-order cone programming

Lit. 48 záz., 3 obr.

In: Annals of Statistics. - Vol. 43, No. 5 (2015), s. 2198-2224. - ISSN 0090-5364

240 Matematika a statistika

Registrované v:

WOS CC Web of Science Core Collection

Ohlasy (30):

[o1] 2017 ~ Morgan, J. P. - Stallings, J.: Optimal experimental design that targets meaningful information. In: Wiley Interdisciplinary Reviews: Computational Statistic, Vol. 9, No. 2, 2017, Art. No. e1393 -- SCI ; SCOPUS

[o1] 2018 ~ Duarte, B. P. M. - Wong, W. K. - Dette, H.: Adaptive grid semidefinite programming for finding optimal designs. In: Statistics and Computing, Vol. 28, No. 2, 2018, s. 441-460 -- SCI ; SCOPUS

[o1] 2018 ~ Hernandez, L. N. - Nachtsheim, C. J.: Fast Computation of Exact G-Optimal Designs Via I-lambda-Optimality. In: Technometrics, Vol. 60, No. 3, 2018, s. 297-305 -- SCI ; SCOPUS

[o1] 2018 ~ Singh, M. - Xie, W.: Approximate positive correlated distributions and approximation algorithms for d-optimal design. In: Proceedings of the Annual ACM-SIAM Symposium on Discrete Algorithms (SODA 2018). New York : Association for Computing Machinery, 2018, S. 2240-2255 -- SCI ; SCOPUS

[o1] 2018 ~ Yu, J. - Kong, X. - Ai, M. - Tsui, K. L.: Optimal designs for dose response models with linear effects of covariates. In: Computational Statistics and Data Analysis, Vol. 127, 2018, s. 217-228 -- SCI ; SCOPUS

[o1] 2019 ~ De Castro, Y. - Gamboa, F. - Henrion, D. - Hess, R. - Lasserre, J. B.: Approximate optimal designs for multivariate polynomial regression. In: Annals of Statistics, Vol. 47, No. 1, 2019, s. 127-155 -- SCI ; SCOPUS

[o1] 2019 ~ Duarte, B. P. M. - Atkinson, A. C. - Granjo, J. F. O. - Oliveira, N. M. C.: Optimal design of experiments for liquid-liquid equilibria characterization via semidefinite programming. In: Processes, Vol. 7, No. 11, 2019, Art. No. 834-- SCI ; SCOPUS

[o1] 2019 ~ Gaffke, N. - Schwabe, R.: Quasi-Newton algorithm for optimal approximate linear regression design: Optimization in matrix space. In: Journal of Statistical Planning and Inference, Vol. 198, 2019, s. 62-78 -- SCI ; SCOPUS

[o1] 2019 ~ Hirano, H. - Tanaka, K.: Generation of collocation points in the method of fundamental solutions for 2D Laplace's equation. In: JSIAM Letters, Vol. 11, 2019, s. 49-52 -- SCI

[o1] 2019 ~ Cheng, Q. - Yang, M.: On multiple-objective optimal designs. In: Journal of Statistical Planning and Inference, Vol. 200, 2019, s. 87-101 -- SCI ; SCOPUS

[o1] 2019 ~ Lin, Y. - Martin, R. - Yang, M.: On optimal designs for nonregular models. In: Annals of Statistics, Vol. 47, No. 6, 2019, s. 3335-3359 -- SCI ; SCOPUS

[o3] 2019 ~ Madan, V. - Singh, M. - Tantipongpipat, U. T. - Xie, W.: Combinatorial Algorithms for Optimal Design. In: 32nd Annual Conference on Learning Theory : Proceedings of Machine Learning Research, Vol. 99. [S. l.] : MLR Press, 2019, S.149

[o1] 2019 ~ Patan, M. - Ucinski, D.: Generalized simplicial decomposition for optimal sensor selection in parameter estimation of spatiotemporal processes. In: Proceedings of the American Control Conference (ACC 2019). Piscataway : IEEE, 2019, S. 2546-2551 -- SCOPUS

[o1] 2019 ~ Rosa, S.: Equivalence of weighted and partial optimality of experimental designs. In: Metrika, Vol. 82, No. 6, 2019, s. 719-732 -- SCI ; SCOPUS

[o1] 2020 ~ Duarte, B. P. M. - Granjo, J. F. O. - Wong, W. K.: Optimal exact designs of experiments via Mixed Integer Nonlinear Programming. In: Statistics and Computing, Vol. 30, No. 1, 2020, s. 93-112 -- SCI ; SCOPUS

[o1] 2020 ~ Heo, J. - Jeong, K. - Kim, T. - Choi, K.: Synthesis of Hardware Performance Monitoring and Prediction Flow Adapting to Near-Threshold Computing and Advanced Process Nodes. In: Proceedings of the Asia and South Pacific Design Automation Conference, ASP-DAC. New York : IEEE, 2020, Art. No. 9045392, S.139-144 -- SCOPUS

[o1] 2020 ~ Singh, M. - Xie, W.: Approximation algorithms for d-optimal design. In: Mathematics of Operations Research, Vol. 45, No. 4, 2020, s. 1512-1534 -- SCI ; SCOPUS

[o1] 2020 ~ Tanaka, K.: Generation of point sets by convex optimization for interpolation in reproducing kernel Hilbert spaces. In: Numerical Algorithms, Vol. 84, No. 3, 2020, s. 1049-1079 -- SCI ; SCOPUS

[o1] 2020 ~ Ucinski, D.: Construction of constrained experimental designs on finite spaces for a modified EK-optimality criterion. In: International Journal of Applied Mathematics and Computer Science, Vol. 30, No. 4, 2020, s. 659-677 -- SCI ; SCOPUS

- [o1] 2020 ~ Xie, W. - Deng, X.: Scalable algorithms for the sparse ridge regression. In: SIAM Journal on Optimization, Vol. 30, No. 4, 2020, s. 3359-3386 -- SCI ; SCOPUS
- [o1] 2021 ~ Ahipasaoglu, S. D.: A branch-and-bound algorithm for the exact optimal experimental design problem. In: Statistics and Computing, Vol. 31, No. 5, 2021, art. no. 65 -- SCI ; SCOPUS
- [o1] 2021 ~ Duarte, B. P. M. - Atkinson, A. C. - Oliveira, N. M. C.: Optimal experimental design for linear time invariant state space models. In: Statistics and Computing, Vol. 31, No. 4, 2021, art. no. 45 -- SCOPUS
- [o1] 2021 ~ Seufert, P. - Schwientek, J. - Bortz, M.: Model-based design of experiments for high-dimensional inputs supported by machine-learning methods. In: Processes, Vol. 9, No. 3, 2021, Art. No. 508 -- SCI ; SCOPUS
- [o1] 2021 ~ Seurat, J. - Tang, Y. - Mentré, F. - Nguyen, T. T.: Finding optimal design in nonlinear mixed effect models using multiplicative algorithms. In: Computer Methods and Programs in Biomedicine, Vol. 207, 2021, art. no. 106126 -- SCI ; SCOPUS
- [o1] 2021 ~ Slivkoff, S. - Gallant, J. L.: Design of complex neuroscience experiments using mixed-integer linear programming. In: Neuron, Vol. 109, No. 9, 221, s. 1433-1448 -- SCI ; SCOPUS
- [o1] 2021 ~ Zeng, Y. - Deng, X. - Chen, X. - Jin, R.: A prediction-oriented optimal design for visualisation recommender systems. In: Statistical Theory and Related Fields, Vol. 5, No. 2, 2021, s. 134-148 -- SCOPUS
- [n1] 2022 zz ~ Duarte, B. P. M. - Atkinson, A. C. - Granjo, J. F. O. - Oliveira, N. M. C.: Optimal Design of Experiments for Implicit Models. In: Journal of the American Statistical Association, vol. 117, no. 539, 2022, s. 1424-1437 -- SCOPUS
- [n1] 2022 zz ~ Heo, J. - Jeong, K. - Choi, J. Y. - Kim, T. - Choi, K.: Hardware Performance Monitoring Methodology at Near-Threshold Computing and Advanced Technology Nodes: From Design to Postsilicon. In: IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, vol. 41, no. 6, 2022, s. 1929-1942 -- SCI ; SCOPUS
- [n1] 2022 zz ~ Malkina, V. - Kiurchev, S. - Hutsol, T. - Verkholtantseva, V. - Kiurcheva, L. - Miroshnichenko, M. - Biliuk, M. - Pidlisnyj, V. - Gürgülü, H. - Kowalczyk, Z.: Optimization of Parameters of a Vibroconveyor System for Infrared Drying of Soy. In: Agricultural Engineering, vol. 26, no. 1, 2022, s. 157-166 -- SCOPUS
- [n1] 2022 zz ~ Ryzhov, I. O.: Optimal Learning and Optimal Design. In: The Elements of Joint Learning and Optimization in Operations Management : Springer Series in Supply Chain Management, vol. 18. Cham : Springer, 2022, S. 49-76 -- SCOPUS

ADC07 Müller, Werner G. (aut) (40%) - Harman, Radoslav (aut) [UKOMFKAMS] (30%) - Benková, Eva (aut) [UKOMFKAMSd] (30%): Discussion of "Space-filling designs for computer experiments: A review"
Lit. 12 zázň.
In: Quality Engineering. - Vol. 28, No. 1 (2016), s. 36-38. - ISSN 0898-2112
240 Matematika a štatistika
Registrované v:
WOS CC Web of Science Core Collection

ADC08 Harman, Radoslav (aut) [UKOMFKAMS] (60%) - Prus, Marina (aut) (40%): Computing optimal experimental designs with respect to a compound Bayes risk criterion
Lit.: 19 zázň.
In: Statistics & Probability Letters. - č. 137 (2018), s. 135-141. - ISSN (print) 0167-7152
článok
240 Matematika a štatistika
Registrované v:
SCO SCOPUS
CCC Current Content Connect
WOS CC Web of Science Core Collection
Indikátor časopisu:
SJR (SCOPUS) 2018=0,559
SNIP (SCOPUS) 2018=0,773
CiteScore (SCOPUS) 2018=1,1
IF (JCR) 2018=0.615
Kvartil Q:
wos-jcr -- Q4 [Statistics & probability] -- 2018

scimago-sjr -- Q3 [Statistics and probability] -- 2018
scimago-sjr -- Q3 [Statistics, probability and uncertainty] -- 2018

Ohlasy (3):

[o1] 2019 ~ Liang, L. - Wen, Y. - Lv, Y.: Fuzzy Intelligent Comprehensive Evaluation of Urban Regional Innovation System Operation Based on Bayesian Discriminant. In: Open House International, Vol. 44, No. 3, 2019, s. 104-107 -- SSCI ; AHCI

[o1] 2020 ~ Zaigraev, A. - Wilk, M.: Optimal designs for heteroscedastic regression models with two parameters. In: Statistics, Vol. 54, No. 2, 2020, s. 291-309 -- SCI ; SCOPUS

[n1] 2021 zz ~ Gorelik, V. - Zolotova, T.: Stochastic Principles of Optimality in Games with Nature and Their Application in Investment Management. In: Proceedings of 14th International Conference Management of Large-Scale System Development, MLSD 2021. New York : IEEE, 2021, nestr. -- SCOPUS

ADC09 Harman, Radoslav (aut) [UKOMFKAMS] (50%) - Rosa, Samuel (aut) [UKOMFKAMS] (50%): Removal of the points that do not support an E-optimal experimental design

Lit.: 19 záz.

In: Statistics & Probability Letters. - č. 147 (2019), s. 83-89. - ISSN (print) 0167-7152

článok

240 Matematika a štatistika

URL: <https://www.sciencedirect.com/science/article/pii/S0167715218303936?via%3Dihub>

Registrované v:

SCO SCOPUS

SCIE Science Citation Index Expanded

CCC Current Content Connect

WOS CC Web of Science Core Collection

Indikátor časopisu:

SJR (SCOPUS) 2019=0,588

SNIP (SCOPUS) 2019=1,003

CiteScore (SCOPUS) 2019=1,2

IF (JCR) 2019=0.680

Kvartil Q:

wos-jcr -- Q4 [Statistics & probability] -- 2019

scimago-sjr -- Q2 [Statistics and probability] -- 2019

scimago-sjr -- Q2 [Statistics, probability and uncertainty] -- 2019

Ohlasy (1):

[o1] 2021 ~ Pronzato, L. - Sagnol, G.: Removing inessential points in c-and A-optimal design. In: Journal of Statistical Planning and Inference, Vol. 213, 2021, s. 233-252 -- SCI ; SCOPUS

ADC10 Harman, Radoslav (aut) [UKOMFKAMS] (50%) - Rosa, Samuel (aut) [UKOMFKAMS] (50%): On greedy heuristics for computing D-efficient saturated subsets

Lit.: 34 záz.

In: Operations Research Letters. - Roč. 48, č. 2 (2020), s. 122-129. - ISSN (print) 0167-6377

článok

240 Matematika a štatistika

Registrované v:

SCO SCOPUS

SCIE Science Citation Index Expanded

CCC Current Content Connect

WOS CC Web of Science Core Collection

Indikátor časopisu:

SJR (SCOPUS) 2020=0,661

SNIP (SCOPUS) 2020=0,966

CiteScore (SCOPUS) 2020=1,7

IF (JCR) 2020=1.154

Kvartil Q:

wos-jcr -- Q4 [Operations research & management science] -- 2020

scimago-sjr -- Q1 [Industrial and manufacturing engineering] -- 2020
scimago-sjr -- Q2 [Applied mathematics] -- 2020
scimago-sjr -- Q2 [Management science and operations research] -- 2020
scimago-sjr -- Q2 [Software] -- 2020

Ohlasy (1):

[n1] 2022 zz ~ Fontana, R. - Rapallo, F. - Wynn, H. P.: Circuits for robust designs. In: Statistical Papers, vol. 63, no. 5, 2022, s. 1537-1560 -- SCI ; SCOPUS

ADC11 Harman, Radoslav (aut) [UKOMFKAMS] (50%) - Filová, Lenka (aut) [UKOMFKAMS] (30%) - Richtárik, Peter (aut) (20%): A Randomized Exchange Algorithm for Computing Optimal Approximate Designs of Experiments

Lit.: 58 zázn.

In: Journal of the American Statistical Association. - Roč. 115, č. 529 (2020), s. 348-361. - ISSN (print) 0162-1459

článok

240 Matematika a štatistika

Registrované v:

SCO SCOPUS

CCC Current Content Connect

WOS CC Web of Science Core Collection

Indikátor časopisu:

SJR (SCOPUS) 2020=4,976

SNIP (SCOPUS) 2020=3,839

CiteScore (SCOPUS) 2020=6,8

IF (JCR) 2020=5.033

Kvartil Q:

wos-jcr -- Q1 [Statistics & probability] -- 2020

scimago-sjr -- Q1 [Statistics and probability] -- 2020

scimago-sjr -- Q1 [Statistics, probability and uncertainty] -- 2020

POZNÁMKA:

Vyšlo aj ako preprint - arXiv.org. - č. 17. January (2018), s. 1-23, Statistics > Computation, art. no.

arXiv:1801.05661 [stat.CO] [online]

Ohlasy (20):

[o1] 2019 ~ Duan, J. - Gao, W. - Ng, H. K. T.: Efficient computational algorithm for optimal continuous experimental designs. In: Journal of Computational and Applied Mathematics, Vol. 350, 2019, s. 98-113 -- SCOPUS

[o1] 2019 ~ Sagnol, G. - Pauwels, E.: An unexpected connection between Bayes A-optimal designs and the group lasso. In: Statistical Papers, Vol. 60, No. 2, 2019, s. 215-234 -- SCOPUS

[o1] 2020 ~ Seurat, J. - Nguyen, T. T. - Mentré, F.: Robust designs accounting for model uncertainty in longitudinal studies with binary outcomes. In: Statistical Methods in Medical Research, Vol. 29, No. 3, 2020, s. 934-952 -- SCOPUS

[o1] 2020 ~ Ucinski, D.: Construction of constrained experimental designs on finite spaces for a modified EK-optimality criterion. In: International Journal of Applied Mathematics and Computer Science, Vol. 30, No. 4, 2020, s. 659-677 -- SCI ; SCOPUS

[o1] 2021 ~ Ahipasaoglu, S. D.: A branch-and-bound algorithm for the exact optimal experimental design problem. In: Statistics and Computing, Vol. 31, No. 5, 2021, art. no. 65 -- SCI ; SCOPUS

[o1] 2021 ~ de la Calle-Arroyo, C. - López-Fidalgo, J. - Rodríguez-Aragón, L. J.: Optimal designs for Antoine Equation. In: Chemometrics and Intelligent Laboratory Systems, Vol. 214, 2021, Art. No. 104334 -- SCI ; SCOPUS

[n1] 2021 zz ~ Deldossi, L. - Tommasi, C.: Optimal design subsampling from Big Datasets. In: Journal of Quality Technology, vol. 54, no. 1, 2021, s. 93-101 -- SCI ; SCOPUS

[o1] 2021 ~ Li, Y. - Deng, X.: An efficient algorithm for Elastic I-optimal design of generalized linear models. In: Canadian Journal of Statistics, Vol. 49, No. 2, 2021, s. 438-470 -- SCI ; SCOPUS

- [o1] 2021 ~ Seufert, P. - Schwientek, J. - Bortz, M.: Model-based design of experiments for high-dimensional inputs supported by machine-learning methods. In: Processes, Vol. 9, No. 3, 2021, Art. No.508 -- SCI ; SCOPUS
- [o1] 2021 ~ Seurat, J. - Tang, Y. - Mentré, F. - Nguyen, T. T.: Finding optimal design in nonlinear mixed effect models using multiplicative algorithms. In: Computer Methods and Programs in Biomedicine, Vol. 207, 2021, Art. No. 106126 -- SCI; SCOPUS
- [n1] 2022 zz ~ Bargues, ?. S. - Sanz, J.-L. P. - Martín, R. M.: Optimal Experimental Design for Parametric Identification of the Electrical Behaviour of Bioelectrodes and Biological Tissues. In: Mathematics, vol. 10, no. 5, 2022, art. no. 837-- SCI ; SCOPUS
- [n1] 2022 zz ~ Duan, J. - Gao, W. - Ma, Y. - Ng, H. K. T.: Efficient computational algorithms for approximate optimal designs. In: Journal of Statistical Computation and Simulation, vol. 92, no. 4, 2022, s. 764-793 -- SCI ; SCOPUS
- [n1] 2022 zz ~ Felsen, F. - Reuter, K. - Scheurer, C.: A model-free sparse approximation approach to robust formal reaction kinetics. In: Chemical Engineering Journal, no. 433, 2022, art. no. 134121 -- SCI ; SCOPUS
- [n1] 2022 zz ~ Fontana, R. - Rapallo, F. - Wynn, H. P.: Circuits for robust designs. In: Statistical Papers, vol. 63, no. 5, 2022, s. 1537-1560 -- SCI ; SCOPUS
- [n1] 2022 zz ~ Paglia, J. - Eidsvik, J. - Karvanen, J.: Efficient spatial designs using Hausdorff distances and Bayesian optimization. In: Scandinavian Journal of Statistics, vol. 49, no. 3, 2022, s. 1060-1084 -- SCI ; SCOPUS
- [n1] 2022 zz ~ Rafajłowicz, E.: Optimal Input Signals for Parameter Estimation: In Linear Systems with Spatio-Temporal Dynamics. Berlin : De Gruyter, 2022, S. 1-184 -- SCOPUS
- [n1] 2022 zz ~ Uciński, D.: E-optimum sensor selection for estimation of subsets of parameters. In: Measurement: Journal of the International Measurement Confederation, no. 187, 2022, art. no. 110286 -- SCI ; SCOPUS
- [n1] 2022 zz ~ Uciński, D. - Patan, M.: Sensor Selection for Minimizing the Condition Number with Guaranteed E-Efficiency. In: Proceedings of the IEEE Conference on Decision and Control. New York : IEEE, 2022, S. 6730-6735 -- SCI ; SCOPUS
- [n1] 2022 zz ~ Waite, T. W. - Woods, D. C.: Minimax Efficient Random Experimental Design Strategies With Application to Model-Robust Design for Prediction. In: Journal of the American Statistical Association, vol. 117, no. 539, 2022, s.1452-1465 -- SCI ; SCOPUS
- [n1] 2022 zz ~ Wang, H. - Zhang, C.: The mixture design threshold accepting algorithm for generating D-optimal designs of the mixture models. In: Metrika, vol. 85, no. 3, 2022, s. 345-371 -- SCI ; SCOPUS

ADE Vedecké práce v ostatných zahraničných časopisoch

- ADE01 Harman, Radoslav (aut) [UKOMFKAMS] (100%): Minimal efficiency of designs under the class of orthogonally invariant information criteria
Lit. 14 zázň., 4 obr.
In: Metrika. - Vol. 60, No. 2 (2004), s. 137-153. - ISSN 0026-1335
Ohlasy (12):
- [o1] 2007 ~ Pázman, A.: Criteria for optimal design of small-Sample experiments with correlated observations. In: Kybernetika, Vol. 43, No. 4, 2007, s. 453-462 -- SCI ; SCOPUS
- [o3] 2007 ~ Müller, W. G.: Collecting Spatial Data: Optimum Design of Experiments for Random Fields. Berlin : Springer, 2007, S. 73
- [o2] 2008 ~ Bušová, L.: Computing the minimal efficiency of designs by a differentiable approximation of .FI.Ek-optimality criteria. In: Acta Mathematica Universitatis Comenianae, Vol. 77, No. 2, 2008, s. 155-166 -- SCOPUS
- [o4] 2012 ~ Pázman, A. - Lacko, V.: Prednášky z regresných modelov : odhadovanie parametrov strednej hodnoty a štatistická optimalizácia experimentu. Bratislava : Univerzita Komenského 2012, S. 130
- [o3] 2013 ~ Pronzato, L. - Pázman, A.: Design of experiments in nonlinear models : Asymptotic normality, optimality criteria and small-sample properties. New York : Springer, 2013, S. 375
- [o3] 2015 ~ Burclová, K. - Pázman, A.: Experience with linear programming for experimental design. In: Proceedings of the 19th European Young Statisticians Meeting. Prague : MATFYZPRESS, 2015, S. 22
- [o1] 2016 ~ Burclova, K. - Pazman, A.: Optimal design of experiments via linear programming. In: Statistical Papers, Vol. 57, No. 4, 2016, s. 893-910 -- SCI ; SCOPUS

- [o1] 2018 ~ Rosa, S.: Optimal designs for treatment comparisons represented by graphs. In: Asta-Advances in Statistical Analysis, Vol. 102, No. 4, 2018, s. 479-503 -- SCI ; SCOPUS
- [o1] 2019 ~ Dette, H. - Konstantinou, M. - Schorning, K. - Goesmann, J.: Optimal designs for regression with spherical data. In: Electronic Journal of Statistics, Vol. 13, No. 1, 2019, s. 361-390 -- SCI ; SCOPUS
- [o1] 2020 ~ Ucinski, D.: Construction of constrained experimental designs on finite spaces for a modified EK-optimality criterion. In: International Journal of Applied Mathematics and Computer Science, Vol. 30, No. 4, 2020, s. 659-677 -- SCI ; SCOPUS
- [o1] 2021 ~ Ucinski, D. - Patan, M.: Maximin Efficient Sensor Location for Parameter Estimation of Spatiotemporal Systems. In: Proceedings of the IEEE Conference on Decision and Control 2021. New York : IEEE, 2021, S. 601-606 -- SCI ; SCOPUS
- [n1] 2022 zz ~ Uciński, D.: E-optimum sensor selection for estimation of subsets of parameters. In: Measurement: Journal of the International Measurement Confederation, no. 187, 2022, art. no. 110286 -- SCI ; SCOPUS

ADE02 Harman, Radoslav (aut) [UKOMFKAMS] (100%): Equivalence theorem for Schur optimality of experimental designs
Lit. 18 zázn.

In: Journal of Statistical Planning and Inference. - Vol. 138, No. 4 (2008), s. 1201-1209. - ISSN 0378-3758
Ohlasy (6):

- [o3] 2009 ~ López-Fidalgo, J.: A critical overview on optimal experimental designs. In: Boletín de Estadística e Investigación Operativa, Vol. 25, No. 1, 2009, s. 14-21
- [o1] 2016 ~ Huang, S. H. - Cheng, C. S.: Optimal designs for quadratic regression with random block effects: The case of block size two. In: Journal of Statistical Planning and Inference, Vol. 175, 2016, s. 67-77 -- SCI ; SCOPUS
- [o1] 2017 ~ Cheng, C. S. - Kao, M. H. - Phoa, F. K. H.: Optimal and efficient designs for functional brain imaging experiments. In: Journal of Statistical Planning and Inference, Vol. 181, 2017, s. 71-80 -- SCI ; SCOPUS
- [o1] 2018 ~ Liu, X. - Yue, R. X. - Wong, W. K.: D-optimal design for the heteroscedastic Berman model on an arc. In: Journal of Multivariate Analysis, Vol. 168, 2018, s. 131-141 -- SCI ; SCOPUS
- [o1] 2019 ~ Freise, F. - Schwabe, R.: Optimal designs for K-factor two-level models with first-order interactions on a symmetrically restricted design region. In: Statistical Papers, Vol. 60, No. 2, 2019, s. 145-163 -- SCI ; SCOPUS
- [o1] 2020 ~ Huang, S. H. - Lo Huang, M. N. - Lin, C. W.: Optimal designs for binary response models with multiple nonnegative variables. In: Journal of Statistical Planning and Inference, Vol. 206, 2020, s. 75-83 -- SCI ; SCOPUS

ADE03 Harman, Radoslav (aut) [UKOMFKAMS] (50%) - Jurík, Tomáš (aut) [UKOMFKMANMd] (50%): Computing c-optimal experimental designs using the simplex method of linear programming
Lit. 21 zázn., 3 obr.

In: Computational Statistics & Data Analysis. - Vol. 53, No. 2 (2008), s. 247-254. - ISSN 0167-9473
Ohlasy (25):

- [o3] 2010 ~ Sagnol, G.: Computing optimal designs of multiresponse experiments reduces to second-order cone programming. In: arXiv.org: Statistics Methodology (stat.ME), No. arXiv:0912/0912.5467v1 [stat.ME], 2010, 27 s.
- [o1] 2010 ~ Stoica, P. - Babu, P.: Algebraic Derivation of Elfving Theorem on Optimal Experiment Design and Some Connections With Sparse Estimation. In: IEEE Signal Processing Letters, Vol. 17, No. 8, 2010, s. 743-745 -- SCI ; SCOPUS
- [o1] 2011 ~ Qi, H.: A semidefinite programming study of the Elfving theorem. In: Journal of Statistical Planning and Inference, Vol. 141, No. 9, 2011, s. 3117-3130 -- SCI ; SCOPUS
- [o1] 2011 ~ Sagnol, G.: Computing optimal designs of multiresponse experiments reduces to second-order cone programming. In: Journal of Statistical Planning and Inference, Vol. 141, No. 5, 2011, s. 1684-1708 -- SCI ; SCOPUS
- [o2] 2012 ~ Antoch, J. - Cerny, M. - Hladik, M.: On computational complexity of construction of c-optimal linear regression models over finite experimental domains. In: Probstat '11: Tatra Mountains Mathematical Publications, Vol. 51, 2012, s. 11-21 -- CPCI-S ; SCOPUS

- [o1] 2012 ~ Cerny, M.: A note on the choice of a sample of firms for reliable estimation of sector returns to scale. In: Proceedings of 30th International Conference Mathematical Methods in Economics, Parts I and II, 2012, s. 95-100 --CPCI-SSH
- [o1] 2012 ~ Cerny, M. - Hladik, M.: Two complexity results on c-optimality in experimental design. In: Computational Optimization and Applications, Vol. 51, No. 3, 2012, s. 1397-1408 -- SCI ; SCOPUS
- [o4] 2012 ~ Pázman, A. - Lacko, V.: Prednášky z regresných modelov : odhadovanie parametrov strednej hodnoty a štatistická optimalizácia experimentu. Bratislava : Univerzita Komenského 2012, S. 130
- [o1] 2013 ~ Lu, Z. - Pong, T. K.: Computing Optimal Experimental Designs via Interior Point Method. In: Siam Journal on Matrix Analysis and Applications, Vol. 34, No. 4, 2013, s. 1556-1580 -- SCI ; SCOPUS
- [o3] 2013 ~ Pronzato, L. - Pázman, A.: Design of experiments in nonlinear models : Asymptotic normality, optimality criteria and small-sample properties. New York : Springer, 2013, S. 375
- [o1] 2016 ~ Burclova, K. - Pazman, A.: Optimal design of experiments via linear programming. In: Statistical Papers, Vol. 57, No. 4, 2016, s. 893-910 -- SCI ; SCOPUS
- [o1] 2016 ~ Isikli, E. - Yanik, S.: The role of computational intelligence in experimental design: A literature review. In: Intelligent Systems Reference Library, Vol. 97, 2016, s. 213-235 -- SCOPUS
- [o1] 2016 ~ Kahraman, C. - Yanik, S.: The Role of Computational Intelligence in Experimental Design: A Literature Review. In: Intelligent Decision Making in Quality Management: Theory and Applications : Intelligent Systems Reference Library, Vol. 97. Berlin : Springer-Verlag Berlin, 2016, s. 213-235 -- BKCI-S
- [o1] 2017 ~ Rodriguez-Diaz, J. M.: Computation of c-optimal designs for models with correlated observations. In: Computational Statistics & Data Analysis, Vol. 113, 2017, s. 287-296 -- SCI ; SCOPUS
- [o1] 2017 ~ Siade, A. J. - Hall, J. - Karelse, R. N.: A Practical, Robust Methodology for Acquiring New Observation Data Using Computationally Expensive Groundwater Models. In: Water Resources Research, Vol. 53, No. 11, 2017, s. 9860-9882 --SCI ; SCOPUS
- [o1] 2018 ~ Duarte, B. P. M. - Wong, W. K. - Dette, H.: Adaptive grid semidefinite programming for finding optimal designs. In: Statistics and Computing, Vol. 28, No. 2, 2018, s. 441-460 -- SCI ; SCOPUS
- [o1] 2018 ~ Duarte, B. P. M. - Sagnol, G. - Wong, W. K.: An algorithm based on semidefinite programming for finding minimax optimal designs. In: Computational Statistics & Data Analysis, Vol. 119, 2018, s. 99-117 -- SCI ; SCOPUS
- [o1] 2019 ~ Duarte, B. P. M. - Atkinson, A. C. - Granjo, J. F. O. - Oliveira, N. M. C.: Optimal Design of Experiments for Liquid-Liquid Equilibria Characterization via Semidefinite Programming. In: Processes, Vol. 7, No. 11, 2019, Art. No. 834-- SCI ; SCOPUS
- [o1] 2020 ~ Bolos, M. I. - Bradea, I. A. - Delcea, C.: Linear programming and fuzzy optimization to substantiate investment decisions in tangible assets. In: Entropy, Vol. 22, No. 1, 2020, s. 121 -- SCOPUS
- [o1] 2020 ~ Duarte, B. P. M. - Granjo, J. F. O. - Wong, W. K.: Optimal exact designs of experiments via Mixed Integer Nonlinear Programming. In: Statistics and Computing, Vol. 30, No. 1, 2020, s. 93-112 -- SCOPUS
- [o1] 2020 ~ López-Fidalgo, J. - Amo-Salas, M.: Optimal dose calibration in radiotherapy. In: Radiation Physics and Chemistry, No. 174, 2020, Art. No. 108917 -- SCI ; SCOPUS
- [o1] 2021 ~ Pronzato, L. - Sagnol, G.: Removing inessential points in c- and A-optimal design. In: Journal of Statistical Planning and Inference, Vol. 213, 2021, s. 233-252 -- SCI ; SCOPUS
- [o1] 2021 ~ Duarte, B. P. M. - Atkinson, A. C. - Oliveira, N. M. C.: Optimal experimental design for linear time invariant state space models. In: Statistics and Computing, Vol. 31, No. 4, 2021, art. no. 45 -- SCI ; SCOPUS
- [n1] 2022 zz ~ Duarte, B. P. M. - Atkinson, A. C. - Granjo, J. F. O. - Oliveira, N. M. C.: Optimal Design of Experiments for Implicit Models. In: Journal of the American Statistical Association, Vol. 117, No. 539, 2022, s. 1424-1437 -- SCI ; SCOPUS
- [n1] 2023 zz ~ Eftekhari, H. - Banerjee, M. - Ritov, Y.: Design of c-optimal experiments for high-dimensional linear models. In: Bernoulli, Vol. 29, No. 1, 2023, s. 652-668 -- SCOPUS

ADE04 Harman, Radoslav (aut) [UKOMFKAMS] (50%) - Štulajter, František (aut) [UKOMFKAMS] (50%):
 Optimal prediction designs in finite discrete spectrum linear regression models
 Lit. 21 zázn., 2 obr.
 In: Metrika. - Vol. 72, No. 2 (2010), s. 281-294. - ISSN 0026-1335
Ohlasy (13):

- [o3] 2011 ~ Müller, W. G. - Pronzato, L. - Waldl, H.: Relations Between Designs for Prediction and Estimation in Random Fields: An Illustrative Case. In: *Advances and Challenges in Space-time Modelling of Natural Events : Lecture Notes in Statistics*, Vol. 207. Cham : Springer, 2011, S. 125-139
- [o1] 2013 ~ Dette, H. - Pepelyshev, A. - Zhigljavsky, A.: Optimal Design for Linear Models with Correlated Observations. In: *Annals of Statistics*, Vol. 41, No. 1, 2013, s. 143-176 -- SCI ; SCOPUS
- [o3] 2013 ~ Pepelyshev, A.: Optimal Design for Multivariate Models with Correlated Observations. In: *mODa 10 - Advances in Model-Oriented Design and Analysis : Contributions to Statistics*. Cham : Springer, 2013, S. 203-210
- [o1] 2014 ~ Dette, H. - Pepelyshev, A. - Zhigljavsky, A.: 'Nearly' universally optimal designs for models with correlated observations. In: *Computational Statistics & Data Analysis*, Vol. 71, 2014, s. 1103-1112 -- SCI ; SCOPUS
- [o3] 2015 ~ Dette, H. - Pepelyshev, A. - Zhigljavsky, A.: Design for Linear Regression Models with Correlated Errors : Section II Designs for Linear Models. In: *Handbook of Design and Analysis of Experiments : Chapman & Hall/CRC Handbooks of Modern Statistical Methods*. Boca Raton : CRC Press-Taylor and Francis Group, 2015, S. 275
- [o1] 2016 ~ Dette, H. - Pepelyshev, A. - Zhigljavsky, A.: Optimal Designs in Regression with Correlated Errors. In: *Annals of Statistics*, Vol. 44, No. 1, 2016, s. 113-152 -- SCI ; SCOPUS
- [o1] 2017 ~ Dette, H. - Konstantinou, M. - Zhigljavsky, A.: A New Approach to Optimal Designs for Correlated Observations. In: *Annals of Statistics*, Vol. 45, No. 4, 2017, s. 1579-1608 -- SCI ; SCOPUS
- [o1] 2017 ~ Dette, H. - Schorning, K. - Konstantinou, M.: Optimal designs for comparing regression models with correlated observations. In: *Computational Statistics & Data Analysis*, Vol. 113, 2017, s. 273-286 -- SCI ; SCOPUS
- [o1] 2017 ~ Gajdos, A. - Hancova, M. - Hanc, J.: Kriging Methodology and Its Development in Forecasting Econometric Time Series. In: *Statistika-Statistics and Economy Journal*, Vol. 97, No. 1, 2017, s. 59-73 -- SCI ; SCOPUS
- [o1] 2018 ~ Yu, J. - Ai, M. - Wang, Y.: Optimal designs for linear models with Fredholm-type errors. In: *Journal of Statistical Planning and Inference*, Vol. 194, 2018, s. 65-74 -- SCI ; SCOPUS
- [o1] 2021 ~ Schorning, K. - Konstantinou, M. - Dette, H.: Optimal designs for series estimation in nonparametric regression with correlated data. In: *Statistica Sinica*, Vol. 31, No. 3, 2021, s. 1643-1667 -- SCI ; SCOPUS
- [n1] 2021 zz ~ Schorning, K. - Dette, H.: Optimal Designs for Comparing Regression Curves: Dependence Within and Between Groups. In: *Journal of Statistical Theory and Practice*, vol. 15, no. 4, 2021, art. no. 88 -- SCI ; SCOPUS
- [o1] 2021 ~ Zhou, X. D. - Yue, R. X. - Wang, Y. J.: Optimal designs for the prediction of mixed effects in linear mixed models. In: *Statistics*, Vol. 55, No. 3, 2021, s. 635-659 -- SCI ; SCOPUS

ADE05 Filová, Lenka (aut) [UKOMFKAMS] (34%) - Harman, Radoslav (aut) [UKOMFKAMS] (33%) - Klein, Thomas (aut) (33%): Approximate E-optimal designs for the model of spring balance weighing with a constant bias

Lit. 11 zázn., 1 obr.

In: *Journal of Statistical Planning and Inference*. - Vol. 141, No. 7 (2011), s. 2480-2488. - ISSN 0378-3758

Ohlasy (4):

- [o1] 2018 ~ Sagnol, G. - Blanco, M. - Sauvage, T.: The cone of flow matrices: Approximation hierarchies and applications. In: *Networks*, Vol. 72, No. 1, 2018, s. 128-150 -- SCI ; SCOPUS
- [o1] 2019 ~ Dette, H. - Konstantinou, M. - Schorning, K. - Goesmann, J.: Optimal designs for regression with spherical data. In: *Electronic Journal of Statistics*, Vol. 13, No. 1, 2019, s. 361-390 -- SCI ; SCOPUS
- [o1] 2019 ~ Freise, F. - Schwabe, R.: Optimal designs for K-factor two-level models with first-order interactions on a symmetrically restricted design region. In: *Statistical Papers*, Vol. 60, No. 2, 2019, s. 145-163 -- SCI ; SCOPUS
- [o1] 2020 ~ Freise, F. - Holling, H. - Schwabe, R.: Optimal designs for two-level main effects models on a restricted design region. In: *Journal of Statistical Planning and Inference*, Vol. 204, 2020, s. 45-54 -- SCI ; SCOPUS

ADE06 Harman, Radoslav (aut) [UKOMFKAMS] (50%) - Štulajter, František (aut) [UKOMFKAMS] (50%): Optimality of equidistant sampling designs for the Brownian motion with a quadratic drift

Lit. 11 zázň., 1 obr.

In: Journal of Statistical Planning and Inference. - Vol. 141, No. 8 (2011), s. 2750-2758. - ISSN 0378-3758
Ohlasy (7):

[o2] 2012 ~ Lacko, V.: Planning of Experiments for a Nonautonomous Ornstein-Uhlenbeck Process. In: Tatra Mountains, Vol. 51 : Probastat '11: Proceedings of the Sixth International Conference on Probability and Statistics. Bratislava : Slovak Academy Sciences Mathematical Institute, 2012, S. 101-113 -- CPCI-S ; SCOPUS

[o1] 2014 ~ Lacko, V.: Ultimate efficiency of experimental designs for Ornstein-Uhlenbeck type processes. In: Journal of Statistical Planning and Inference, Vol. 149, 2014, s. 77-89 -- SCI ; SCOPUS

[o3] 2015 ~ Dette, H. - Pepelyshev, A. Zhigljavsky, A.: Design for Linear Regression Models with Correlated Errors : Section II Designs for Linear Models. In: Handbook of Design and Analysis of Experiments : Chapman & Hall/CRC Handbooks of Modern Statistical Methods. Boca Raton : CRC Press-Taylor and Francis Group, 2015, S. 275

[o1] 2016 ~ Dette, H. - Pepelyshev, A. - Zhigljavsky, A.: Optimal Designs in Regression with Correlated Errors. In: Annals of Statistics, Vol. 44, No. 1, 2016, s. 113-152 -- SCI ; SCOPUS

[o1] 2016 ~ Huang, J. - Golubovic, D. S. - Koh, S. - Yang, D. - Li, X. - Fan, X. - Zhang, G. Q.: Lumen degradation modeling of white-light LEDs in step stress accelerated degradation test. In: Reliability Engineering & System Safety, Vol. 154, 2016, s. 152-159 -- SCI ; SCOPUS

[o1] 2017 ~ Dette, H. - Konstantinou, M. - Zhigljavsky, A.: A New Approach to Optimal Designs for Correlated Observations. In: Annals of Statistics, Vol. 45, No. 4, 2017, s. 1579-1608 -- SCI ; SCOPUS

[o1] 2017 ~ Zhao, H. S. - Zhu, X. C. - Li, C. - Wei, Y. - Zhao, G. X. - Jiang, Y. M.: Improving the Accuracy of the Hyperspectral Model for Apple Canopy Water Content Prediction using the Equidistant Sampling Method. In: Scientific Reports, Vol. 7, 2017, Art. No. 11192 -- SCI ; SCOPUS

ADE07 Filová, Lenka (aut) [UKOMFKAMS] (40%) - Trnovská, Mária (aut) [UKOMFKAMS] (40%) - Harman, Radoslav (aut) [UKOMFKAMS] (20%): Computing maximin efficient experimental designs using the methods of semidefinite programming

Lit. 21 zázň.

In: Metrika. - Vol. 75, No. 5 (2012), s. 709-719. - ISSN 0026-1335

Ohlasy (7):

[o1] 2015 ~ Duarte, B. P. M. - Wong, W. K.: Finding bayesian optimal designs for nonlinear models: A semidefinite programming-based approach. In: International Statistical Review, Vol. 83, No. 2, 2015, s. 239-262 -- SCOPUS

[o3] 2015 ~ Mandal, A. - Wong, W. K. Yu, Y.: Algorithmic Searches for Optimal Designs : Section VI Cross-Cutting Issues. In: Handbook of Design and Analysis of Experiments : Chapman & Hall/CRC Handbooks of Modern Statistical Methods. Boca Raton : CRC Press-Taylor and Francis Group, 2015, S. 781

[o1] 2016 ~ Burclova, K. - Pazman, A.: Optimal design of experiments via linear programming. In: Statistical Papers, Vol. 57, No. 4, 2016, s. 893-910 -- SCI ; SCOPUS

[o1] 2016 ~ Duarte, B. P. M. - Wong, W. K. - Oliveira, N. M. C.: Model-based optimal design of experiments -Semidefinite and nonlinear programming formulations. In: Chemometrics and Intelligent Laboratory Systems, Vol. 151, 2016, s. 153-163 --SCOPUS

[o1] 2018 ~ Duarte, B. P. M. - Sagnol, G. - Wong, W. K.: An algorithm based on semidefinite programming for finding minimax optimal designs. In: Computational Statistics and Data Analysis, Vol. 119, 218, s. 99-117 -- SCOPUS

[o1] 2018 ~ Duarte, B. P. M. - Wong, W. K. - Dette, H.: Adaptive grid semidefinite programming for finding optimal designs. In: Statistics and Computing, Vol. 28, No. 2, 2018, s. 441-460 -- SCOPUS

[n1] 2021 zz ~ Ucinski, D. - Patan, M.: Maximin Efficient Sensor Location for Parameter Estimation of Spatiotemporal Systems. In: Proceedings of the IEEE Conference on Decision and Control 2021. New York : IEEE, 2021, S.2601-2606 -- SCI ;SCOPUS

ADE08 Lacko, Vladimír (aut) [UKOMFKAMSd] (75%) - Harman, Radoslav (aut) [UKOMFKAMS] (25%): A conditional distribution approach to uniform sampling on spheres and balls in L_p spaces

Lit. 17 zázň.

In: Metrika. - Vol. 75, No. 7 (2012), s. 939-951. - ISSN 0026-1335

Ohlasy (3):

- [o1] 2013 ~ Malham, S. J. A. - Wiese, A.: CHI-square simulation of the CIR process and the Heston model. In: International Journal of Theoretical and Applied Finance, Vol. 16, No. 3, 2013, Art. No. 1350014 -- SCI ; SCOPUS
- [o1] 2019 ~ Ahmadi-Javid, A. - Moeini, A.: Uniform distributions and random variate generation over generalized $l(p)$ balls and spheres. In: Journal of Statistical Planning and Inference, Vol. 201, 2019, s. 1-19 -- SCI ; SCOPUS
- [o1] 2019 ~ Richter, W. D.: On $(p, 1, \rho_k)$ -spherical distributions. In: Journal of Statistical Distributions and Applications, Vol. 6, No. 1, 2019, Art. No. 9 -- SCOPUS

ADF Vedecké práce v ostatných domácich časopisoch

- ADF01 Harman, Radoslav (aut) [UKOMFKAMS] (50%) - Trnovská, Mária (aut) [UKOMFKAMS] (50%):
Approximate D-optimal designs of experiments on the convex hull of a finite set of information matrices
Lit. 8 záz. n.
In: Mathematica Slovaca. - Vol. 59, No. 6 (2009), s. 693-704. - ISSN 0139-9918
Ohlasy (19):
- [o1] 2010 ~ Yu, Y.: Monotonic convergence of a general algorithm for computing optimal designs. In: Annals of Statistics, Vol. 38, No. 3, 2010, s. 1593-1606 -- SCI ; SCOPUS
- [o1] 2012 ~ Holland-Letz, T. - Dette, H. - Renard, D.: Efficient Algorithms for Optimal Designs with Correlated Observations in Pharmacokinetics and Dose-Finding Studies. In: Biometrics, Vol. 68, No. 1, 2012, s. 138-146 -- SCI ; SCOPUS
- [o1] 2012 ~ Martin-Martin, R. - Rodriguez-Aragon, L. J. - Torsney, B.: Multiplicative algorithm for computing D-optimum designs for pVT measurements. In: Chemometrics and Intelligent Laboratory Systems, Vol. 111, No. 1, 2012, s. 20-27 -- SCI ; SCOPUS
- [o1] 2012 ~ Yi, R. - Papalambros, P. Y.: On the use of active learning in engineering design. In: Proceedings of the ASME 2012 International Design Engineering Technical Conferences and Computers and Information in Engineering Conference, Vol.3, Parts A and B. New York : American Society of Mechanical Engineers, 2012, S. 89-98 -- CPCI-S ; SCOPUS
- [o1] 2013 ~ Lu, Z. - Pong, T. K.: Computing optimal experimental designs via interior point method. In: SIAM Journal on Matrix Analysis and Applications, Vol. 34, No. 4, 2013, s. 1556-1580 -- SCI ; SCOPUS
- [o1] 2013 ~ Pronzato, L.: A delimitation of the support of optimal designs for Kiefer's $\phi(p)$ -class of criteria. In: Statistics and Probability Letters, Vol. 83, No. 12, 2013, s. 2721-2728 -- SCI ; SCOPUS
- [o3] 2013 ~ Pronzato, L. - Pázman, A.: Design of experiments in nonlinear models : Asymptotic normality, optimality criteria and small-sample properties. New York : Springer, 2013, S. 375
- [o1] 2013 ~ Sagnol, G.: Approximation of a maximum-submodular-coverage problem involving spectral functions, with application to experimental designs. In: Discrete Applied Mathematics, Vol. 161, No. 1-2, 2013, s. 258-276 -- SCI ; SCOPUS
- [o1] 2014 ~ Pronzato, L. - Zhigljavsky, A. A.: Algorithmic construction of optimal designs on compact sets for concave and differentiable criteria. In: Journal of Statistical Planning and Inference, Vol. 154, No. 1, 2014, s. 141-155 -- SCI ; SCOPUS
- [o1] 2015 ~ Marechal, P. - Ye, J. J. - Zhou, J.: K-optimal design via semidefinite programming and entropy optimization. In: Mathematics of Operations Research, Vol. 40, No. 2, 2015, s. 495-511 -- SCI ; SCOPUS
- [o1] 2015 ~ Ucinski, D.: An algorithm for construction of constrained d-optimum designs. In: Stochastic Models, Statistics and their Applications ; Springer Proceedings in Mathematics and Statistics, Vol. 122. Cham : Springer, 2015, S. 461-468-- CPCI-S ; SCOPUS
- [o1] 2019 ~ Gaffke, N. - Schwabe, R.: Quasi-Newton algorithm for optimal approximate linear regression design: Optimization in matrix space. In: Journal of Statistical Planning and Inference, Vol. 198, 2019, s. 62-78 -- SCI ; SCOPUS
- [o1] 2019 ~ Gaffke, N. - Idais, O. - Schwabe, R.: Locally optimal designs for gamma models. In: Journal of Statistical Planning and Inference, Vol. 203, 2019, s. 199-214 -- SCI ; SCOPUS
- [o1] 2020 ~ Idais, O.: Locally optimal designs for multivariate generalized linear models. In: Journal of Multivariate Analysis, Vol. 180, 2020, Art. No. 104663 -- SCOPUS
- [o1] 2021 ~ Idais, O. - Schwabe, R.: Analytic solutions for locally optimal designs for gamma models having linear predictors without intercept. In: Metrika, Vol. 84, No. 1, 2021, s. 1-26 -- SCI ; SCOPUS

- [o1] 2021 ~ Pronzato, L. - Sagnol, G.: Removing inessential points in c-and A-optimal design. In: Journal of Statistical Planning and Inference, Vol. 213, 2021, s. 233-252 -- SCI ; SCOPUS
- [o1] 2021 ~ Seurat, J. - Tang, Y. - Mentré, F. - Nguyen, T. T.: Finding optimal design in nonlinear mixed effect models using multiplicative algorithms. In: Computer Methods and Programs in Biomedicine, Vol. 207, 2021, Art. No. 106126 -- SCI ; SCOPUS
- [n1] 2022 zz ~ Liu, D. - Cevher, V. - Tran-Dinh, Q.: A Newton Frank Wolfe method for constrained self-concordant minimization. In: Journal of Global Optimization, vol. 83, no. 2, 2022, s. 273-299 -- SCI ; SCOPUS
- [n1] 2022 zz ~ Quoc, T. D. - Liang, L. - Toh, K.-C.: A New Homotopy Proximal Variable-Metric Framework for Composite Convex Minimization. In: Mathematics of Operations Research, vol 47, no. 1, 2022, s. 508-539 -- SCI ; SCOPUS

ADM Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS

ADM01 Filová, Lenka (aut) [UKOMFKAMS] (50%) - Harman, Radoslav (aut) [UKOMFKAMS] (50%):

Criterion-robust experimental designs for the quadratic regression on a square and a cube

Lit. 26 záz. n.

In: Communications in Statistics - Theory and Methods. - Vol. 42, No. 11 (2013), s. 2044-2055. - ISSN 0361-0926

Registrované v:

WOS CC Web of Science Core Collection

SCOPUS SCOPUS

Ohlasy (2):

[o1] 2016 ~ Burclova, K. - Pazman, A.: Optimal design of experiments via linear programming. In: Statistical Papers, Vol. 57, No. 4, 2016, s. 893-910 -- SCI ; SCOPUS

[n1] 2021 zz ~ Ucinski, D. - Patan, M.: Maximin Efficient Sensor Location for Parameter Estimation of Spatiotemporal Systems. In: Proceedings of the IEEE Conference on Decision and Control, CDC 2021. New York : IEEE, 2021, S. 2601-2606 -- SCI ; SCOPUS

ADM02 Harman, Radoslav (aut) [UKOMFKAMS] (100%): Multiplicative methods for computing D-optimal stratified designs of experiments

Lit. 43 záz. n.

In: Journal of Statistical Planning and Inference. - Vol. 146 (2014), s. 82-94. - ISSN 0378-3758
240 Matematika a štatistika

Registrované v:

WOS CC Web of Science Core Collection

SCOPUS SCOPUS

Ohlasy (4):

[o1] 2015 ~ Dey, S. - Mukhopadhyay, T. - Khodaparast, H. H. - Adhikari, S.: Stochastic natural frequency of composite conical shells. In: Acta Mechanica, Vol. 226, No. 8, 2015, s. 2537-2553

[o3] 2015 ~ Mandal, A. - Wong, W. K. Yu, Y.: Algorithmic Searches for Optimal Designs : Section VI Cross-Cutting Issues. In: Handbook of Design and Analysis of Experiments : Chapman & Hall/CRC Handbooks of Modern Statistical Methods. BocaRaton : CRC Press-Taylor and Francis Group, 2015, S. 781

[o1] 2017 ~ Coetzer, R. - Haines, L. M.: The construction of D- and I-optimal designs for mixture experiments with linear constraints on the components. In: Chemometrics and Intelligent Laboratory Systems, Vol. 171, 2017, s. 112-124 -- SCI ; SCOPUS

[o1] 2019 ~ Gaffke, N. - Schwabe, R.: Quasi-Newton algorithm for optimal approximate linear regression design: Optimization in matrix space. In: Journal of Statistical Planning and Inference, Vol. 198, 23019, s. 62-78 -- SCI ; SCOPUS

ADM03 Harman, Radoslav (aut) [UKOMFKAMS] (50%) - Filová, Lenka (aut) [UKOMFKAMS] (50%):

Computing efficient exact designs of experiments using integer quadratic programming

Lit. 46 záz. n.

In: Computational Statistics & Data Analysis. - Vol. 71, Spec. Iss. (2014), s. 1159-1167. - ISSN 0167-9473
240 Matematika a štatistika

Registrované v:

WOS CC Web of Science Core Collection

SCOPUS SCOPUS

Ohlasy (10):

- [o1] 2014 ~ Gilmour, S. - Payne, R. W.: Special issue on algorithms for design of experiments. In: Computational Statistics & Data Analysis, Vol. 71, Spec. Iss., 2014, s. 1064-1065 -- SCI
- [o1] 2015 ~ Slanzi, D. - De Lucrezia, D. - Poli, I.: Querying Bayesian networks to design experiments with application to IAGY serine esterase protein engineering. In: Chemometrics and Intelligent Laboratory Systems, Vol. 149, 2015, s. 28-38-- SCI ; SCOPUS
- [o1] 2016 ~ Isikli, E. - Yanik, S.: The role of computational intelligence in experimental design: A literature review. In: Intelligent Systems Reference Library, Vol. 97, 2016, s. 213-235 -- SCI ; SCOPUS
- [o1] 2017 ~ Esteban-Bravo, M. - Leszkiewicz, A. - Vidal-Sanz, J. M.: Exact optimal experimental designs with constraints. In: Statistics and Computing, Vol. 27, No. 3, 2017, s. 845-863 -- SCI ; SCOPUS
- [o1] 2018 ~ Hernandez, L. N. - Nachtsheim, C. J.: Fast Computation of Exact G-Optimal Designs Via I-lambda-Optimality. In: Technometrics, Vol. 60, No. 3, 2018, s. 297-305 -- SCI ; SCOPUS
- [o1] 2019 ~ Duan, J. - Gao, W. - Ng, H. K. T.: Efficient computational algorithm for optimal continuous experimental designs. In: Journal of Computational and Applied Mathematics, Vol. 350, 2019, s. 98-113 -- SCI ; SCOPUS
- [o1] 2019 ~ Martín, R. M. - García-Camacha Gutiérrez, I. - Torsney, B.: Efficient algorithms for constructing D- And I-optimal exact designs for linear and non-linear models in mixture experiments. In: SORT-Statistics and Operations Research Transactions, Vol. 43, No. 1, 2019, s. 163-189 -- SCI ; SCOPUS
- [o1] 2020 ~ Duarte, B. P. M. - Granjo, J. F. O. - Wong, W. K.: Optimal exact designs of experiments via Mixed Integer Nonlinear Programming. In: Statistics and Computing, Vol. 30, No. 1, 2020, s. 93-112 -- SCI ; SCOPUS
- [o1] 2021 ~ Ahipasaoglu, S. D.: A branch-and-bound algorithm for the exact optimal experimental design problem. In: Statistics and Computing, Vol. 31, No. 5, 2021, art. no. 65 -- SCI ; SCOPUS
- [n1] 2023 zz ~ Vazquez, A. R. - Wong, W. K. - Goos, P.: Constructing two-level QB -optimal screening designs using mixed-integer programming and heuristic algorithms. In: Statistics and Computing, vol. 33, no. 1, 2023, art. no. 7 -- SCOPUS

ADM04 Benková, Eva (aut) [UKOMFKAMSd] (40%) - Harman, Radoslav (aut) [UKOMFKAMS] (30%) - Müller, Werner G. (aut) (30%): Privacy sets for constrained space-filling
Lit. 10 zázn.

In: Journal of Statistical Planning and Inference. - Vol. 171 (2016), s. 1-9. - ISSN 0378-3758

240 Matematika a štatistika

Registrované v:

WOS CC Web of Science Core Collection

SCOPUS SCOPUS

Ohlasy (5):

- [o1] 2017 ~ Wang, Y. - Xu, B. - Sun, G. - Yang, S.: A Two-Phase Differential Evolution for Uniform Designs in Constrained Experimental Domains. In: IEEE Transactions on Evolutionary Computation, Vol. 21, No. 5, 2017, s. 665-680 -- SCI ; SCOPUS
- [o1] 2018 ~ Khan, S. - Gunpinar, E.: Sampling CAD models via an extended teaching-learning-based optimization technique. In: Computer-Aided Design, Vol. 100, 2018, s. 52-67 -- SCI ; SCOPUS
- [n1] 2021 zz ~ Kleijnen, J. P. C.: Kriging: Methods and applications. In: System- and Data-Driven Methods and Algorithms, vol. 1. Berlin : De Gruyter, 2021, S. 355-370 -- SCOPUS
- [o1] 2021 ~ Yang, Y. - Guang, J. - Zhengqiang, P. - Rui, G.: An iterated local coordinate-exchange algorithm for constructing experimental designs for multi-dimensional constrained spaces. In: Journal of Systems Engineering and Electronics, Vol. 32, No. 5, 2021, s. 1212-1220 -- SCI ; SCOPUS
- [o1] 2021 ~ Kleijnen, J. P. C.: Kriging: methods and applications. In: Model Order Reduction, Vol. 1: System- and Data-Driven Methods and Algorithms. Berlin : De Gruyter, 2021, S. 355-370 -- SCOPUS

ADM05 Harman, Radoslav (aut) [UKOMFKAMS] (40%) - Bachratá, Alena (aut) [UKOMFKAMSd] (30%) - Filová, Lenka (aut) [UKOMFKAMS] (30%): Construction of efficient experimental designs under multiple resource constraints

Lit. 51 zázň., 6 obr.

In: Applied Stochastic Models in Business and Industry. - Vol. 32, No. 1 (2016), s. 3-17. - ISSN 1524-1904
240 Matematika a štatistika

URL: <https://onlinelibrary.wiley.com/doi/10.1002/asmb.2117>

Registrované v:

SCOPUS SCOPUS

Ohlasy (5):

[o1] 2016 ~ Katulska, K. - Smaga, L.: D-optimal and highly d-efficient designs with non-negatively correlated observations. In: Kybernetika, Vol. 52, No. 4, 2016, s. 575-588 -- SCI ; SCOPUS

[o3] 2016 ~ Smaga, L.: A note on the D-optimality and D-efficiency of nonorthogonal blocked main effects plans. In: Biometrical Letters, Vol. 53, No. 2, 2016, s. 119-131

[o1] 2019 ~ Martín, R. M. - García-Camacha Gutiérrez, I. - Torsney, B.: Efficient algorithms for constructing D- And I-optimal exact designs for linear and non-linear models in mixture experiments. In: SORT-Statistics and Operations Research Transactions, Vol. 43, No. 1, 2019, s. 163-189 -- SCI ; SCOPUS

[o1] 2020 ~ Duarte, B. P. M. - Sagnol, G.: Approximate and exact optimal designs for 2(k) factorial experiments for generalized linear models via second order cone programming. In: Statistical Papers, Vol. 61, No. 6, 2020, s. 2737-2767 -- SCI ; SCOPUS

[n1] 2022 zz ~ Heo, J. - Jeong, K. - Choi, J.Y. - Kim, T. - Choi, K.: Hardware Performance Monitoring Methodology at Near-Threshold Computing and Advanced Technology Nodes: From Design to Postsilicon. In: IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, vol. 41, no. 6, 2022, s. 1929-1942 -- SCI ; SCOPUS

ADM06 Rosa, Samuel (aut) [UKOMFKAMS] (70%) - Harman, Radoslav (aut) [UKOMFKAMS] (30%): Optimal approximate designs for estimating treatment contrasts resistant to nuisance effects

Lit. 32 zázň.

In: Statistical Papers. - Vol. 57, No. 4 (2016), s. 1077-1106. - ISSN 0932-5026

240 Matematika a štatistika

Registrované v:

WOS CC Web of Science Core Collection

SCOPUS SCOPUS

Ohlasy (2):

[o1] 2016 ~ Wang, Y. - Ai, M.: Optimal designs for multiple treatments with unequal variances. In: Journal of Statistical Planning and Inference, Vol. 171, 2016, s. 175-183 -- SCOPUS

[o1] 2019 ~ Donev, A. N. - Sammut-Powell, C.: Designing experiments in cycles. In: Chemometrics and Intelligent Laboratory Systems, Vol. 184, 2019, s. 64-70 -- SCI ; SCOPUS

ADM07 Harman, Radoslav (aut) [UKOMFKAMS] (50%) - Benková, Eva (aut) [UKOMFKAMSd] (50%):

Barycentric algorithm for computing D-optimal size- and cost-constrained designs of experiments

Lit. 42 zázň., 4 obr.

In: Metrika. - Vol. 80, No. 2 (2017), s. 201-225. - ISSN 0026-1335

240 Matematika a štatistika

Registrované v:

WOS CC Web of Science Core Collection

SCOPUS SCOPUS

Ohlasy (7):

[o1] 2019 ~ Cheng, Q. - Yang, M.: On multiple-objective optimal designs. In: Journal of Statistical Planning and Inference, Vol. 200, 2019, s. 87-101 -- SCI ; SCOPUS

[o1] 2019 ~ Gaffke, N. - Schwabe, R.: Quasi-Newton algorithm for optimal approximate linear regression design: Optimization in matrix space. In: Journal of Statistical Planning and Inference, Vol. 198, 2019, s. 62-78 -- SCOPUS

[o1] 2019 ~ Lin, Y. - Martin, R. - Yang, M.: On Optimal Designs for Nonregular Models. In: Annals of Statistics, Vol. 47, No. 6, 2019, s. 3335-3359 -- SCI ; SCOPUS

[o1] 2019 ~ Patan, M. - Ucinski, D.: Generalized simplicial decomposition for optimal sensor selection in parameter estimation of spatiotemporal processes. In: Proceedings of the American Control Conference (ACC 2019). New York : IEEE, 2019, S. 2546-2551 -- SCOPUS

[o1] 2020 ~ Heo, J. - Jeong, K. - Kim, T. - Choi, K.: Synthesis of Hardware Performance Monitoring and Prediction Flow Adapting to Near-Threshold Computing and Advanced Process Nodes. In: Proceedings of the Asia and South Pacific DesignAutomation Conference, ASP-DAC, Vol. 2020. New York : IEEE, 2020, Art. No. 9045392, S. 139-144 -- SCOPUS

[o1] 2020 ~ Ucinski, D.: Construction of Constrained Experimental Designs on Finite Spaces for a Modified E-K-Optimality Criterion. In: International Journal of Applied Mathematics and Computer Science, Vol. 30, No. 4, 2020, s. 659-677 -- SCI; SCOPUS

[o1] 2020 ~ Ucinski, D.: Sensor selection with nonsmooth design criteria based on semi-infinite programming. In: IFAC-PapersOnLine, Vol. 53, No. 2, 2020, s. 7539-7544 -- SCI ; SCOPUS

ADM08 Rosa, Samuel (aut) [UKOMFKAMS] (50%) - Harman, Radoslav (aut) [UKOMFKAMS] (50%): Optimal approximate designs for comparison with control in dose-escalation studies

Lit.23 zázn.

In: Test. - Vol. 26, No. 3 (2017), s. 638-660. - ISSN 1133-0686

240 Matematika a štatistika

Registrované v:

WOS CC Web of Science Core Collection

SCOPUS SCOPUS

Ohlasy (1):

[n1] 2022 zz ~ Duarte, B. P. M. - Atkinson, A. C. - Oliveira, N. M. C.: Optimal designs for dose-escalation trials and individual allocations in cohorts. In: Statistics and Computing, vol. 32, no. 5, 2022, art. no. 92 -- SCI ; SCOPUS

ADM09 Filová, Lenka (aut) [UKOMFKAMS] (50%) - Harman, Radoslav (aut) [UKOMFKAMS] (50%): Ascent with quadratic assistance for the construction of exact experimental designs

Lit.: 40 zázn.

In: Computational Statistics. - Roč. 35, č. 2 (2020), s. 775-801. - ISSN (print) 0943-4062

článok

240 Matematika a štatistika

Registrované v:

SCIE Science Citation Index Expanded

SCO SCOPUS

WOS CC Web of Science Core Collection

Indikátor časopisu:

SJR (SCOPUS) 2020=0,494

SNIP (SCOPUS) 2020=0,907

CiteScore (SCOPUS) 2020=1,6

IF (JCR) 2020=1.000

Kvartil Q:

wos-jcr -- Q4 [Statistics & probability] -- 2020

scimago-sjr -- Q2 [Computational mathematics] -- 2020

scimago-sjr -- Q3 [Statistics and probability] -- 2020

scimago-sjr -- Q3 [Statistics, probability and uncertainty] -- 2020

Ohlasy (1):

[o1] 2021 ~ Ahipasaoglu, S. D.: A branch-and-bound algorithm for the exact optimal experimental design problem. In: Statistics and Computing, Vol. 31, No. 5, 2021, art. no. 65 -- SCI ; SCOPUS

ADM10 Harman, Radoslav (aut) [UKOMFKAMS] (50%) - Müller, Werner G. (aut) (50%): A design criterion for symmetric model discrimination based on flexible nominal sets

Lit.: 33 zázn.

In: Biometrical Journal. - Roč. 62, č. 4 (2020), s. 1090-1104. - ISSN (print) 0323-3847

článok

240 Matematika a štatistika

Registrované v:

SCO SCOPUS

SCIE Science Citation Index Expanded
WOS CC Web of Science Core Collection

Indikátor časopisu:

SJR (SCOPUS) 2020=1,108

SNIP (SCOPUS) 2020=1,135

CiteScore (SCOPUS) 2020=2,4

IF (JCR) 2020=2.207

Kvartil Q:

wos-jcr -- Q3 [Mathematical & computational biology] -- 2020

wos-jcr -- Q2 [Statistics & probability] -- 2020

scimago-sjr -- Q1 [Medicine (miscellaneous)] -- 2020

scimago-sjr -- Q1 [Statistics and probability] -- 2020

scimago-sjr -- Q2 [Statistics, probability and uncertainty] -- 2020

Ohlasy (1):

[n1] 2022 zz ~ Hainy, M. - Price, D. J. - Restif, O. - Drovandi, C.: Optimal Bayesian design for model discrimination via classification. In: Statistics and Computing, vol. 32, no. 2, 2022, art. no. 25 -- SCI ; SCOPUS

ADM11 Harman, Radoslav (aut) [UKOMFKAMS] (50%) - Filová, Lenka (aut) [UKOMFKAMS] (25%) - Rosa, Samuel (aut) [UKOMFKAMS] (25%): Optimal design of multifactor experiments via grid exploration
Lit.: 51 záz.

In: Statistics and Computing. - Roč. 31, č. 6 (2021), s. 1-13, art. no. 70. - ISSN (print) 0960-3174
článok

240 Matematika a štatistika

Registrované v:

WOS CC Web of Science Core Collection

SCIE Science Citation Index Expanded

SCO SCOPUS

Indikátor časopisu:

SJR (SCOPUS) 2021=1,125

SNIP (SCOPUS) 2021=1,639

CiteScore (SCOPUS) 2021=3,9

IF (JCR) 2021=2.324

Kvartil Q:

wos-jcr -- Q2 [Computer science, theory & methods] -- 2021

wos-jcr -- Q2 [Statistics & probability] -- 2021

scimago-sjr -- Q1 [Computational theory and mathematics] -- 2021

scimago-sjr -- Q1 [Statistics and probability] -- 2021

scimago-sjr -- Q1 [Statistics, probability and uncertainty] -- 2021

scimago-sjr -- Q1 [Theoretical computer science] -- 2021

ADN Vedecké práce v domácich časopisoch registrovaných v databázach Web of Science alebo SCOPUS

ADN01 Koščová, Michaela (aut) [UKOMFKAMS] (34%) - Harman, Radoslav (aut) [UKOMFKAMS] (33%) - Mačutek, Ján (aut) (33%): Iterated partial summations applied to finite-support discrete distributions
Lit.: 7 záz.

In: Mathematica Slovaca. - Roč. 70, č. 2 (2020), s. 489-496. - ISSN (print) 0139-9918

článok

240 Matematika a štatistika

Registrované v:

SCO SCOPUS

SCIE Science Citation Index Expanded

WOS CC Web of Science Core Collection

Indikátor časopisu:

SJR (SCOPUS) 2020=0,445

SNIP (SCOPUS) 2020=0,838
CiteScore (SCOPUS) 2020=1,2
IF (JCR) 2020=0.770

Kvartil Q:

wos-jcr -- Q3 [Mathematics] -- 2020
scimago-sjr -- Q2 [Mathematics (miscellaneous)] -- 2020

AFC Publikované príspevky na zahraničných vedeckých konferenciách

- AFC01 Harman, Radoslav (aut) [UKOMFKAMS] (100%): Lower bounds on efficiency ratios based on .FI_p-optimal designs
Lit. 9 záz. n.
In: mODa 7-Advances in Model-Oriented Design and Analysis. - Heidelberg : Physica-Verlag, 2004. - S. 89-96. - ISBN 3-7908-0213-1
Edícia: Contributions to Statistics
[mODa 2004 : Model-Oriented Design and Analysis : International Workshop. 7th, Heeze, 14.-18.6.2004]
Ohlasy (5):
[o2] 2008 ~ Bušová, L.: Computing the minimal efficiency of designs by a differentiable approximation of .FI.Ek-optimality criteria. In: Acta Mathematica Universitatis Comenianae, Vol. 77, No. 2, 2008, s. 155-166 -- SCOPUS
[o1] 2008 ~ Lopez-Fidalgo, J. - Martín-Martín, R. - Wiens, D. R.: Marginally restricted sequential D-optimal designs. In: Canadian Journal of Statistics, Vol. 36, No. 3, 2008, s. 397-410 -- SCI ; SCOPUS
[o3] 2013 ~ Pronzato, L. - Pázman, A.: Design of experiments in nonlinear models : Asymptotic normality, optimality criteria and small-sample properties. New York : Springer, 2013, S. 375
[o1] 2017 ~ Pronzato, L. - Wynn, H. P. - Zhigljavsky, A. A.: Extended generalised variances, with applications. In: Bernoulli, Vol. 23, No. 4A, 2017, s. 2617-2642 -- SCI ; SCOPUS
[o1] 2021 ~ Pronzato, L. - Wang, H.: Journal of Statistical Planning and Inference, No. 212, 2021. In: Sequential online subsampling for thinning experimental designs, s. 169-193 -- SCI ; SCOPUS
- AFC02 Harman, Radoslav (aut) [UKOMFKAMS] (50%) - Štulajter, František (aut) [UKOMFKAMS] (50%): Optimality of equidistant sampling designs for a nonstationary Ornstein-Uhlenbeck process
Lit. 8 záz. n.
In: 6th St. Petersburg Workshop on Simulation, Vol. 2. - St. Petersburg : VVM, 2009. - S. 1097-1102. - ISBN 978-5-9651-0354-6
[St. Petersburg Workshop on Simulation. 6th, St. Petersburg, 28.6.-4.7.2009]
Ohlasy (4):
[o3] 2011 ~ Lacko, V.: Optimal exact sampling designs for a nonautonomous nonstationary Ornstein-Uhlenbeck process. In: Proceedings of the 17th European Young Statisticians Meeting. Lisboa : Universidade Nova, 2011, S. 146
[o4] 2011 ~ Lacko, V.: Planning of experiments for a nonautonomous Ornstein-Uhlenbeck process. In: PROBASTAT 2011 : Abstracts. Bratislava : Institute of Measurement Science SAS, 2011, S. 32
[o1] 2012 ~ Lacko, V.: Planning of experiments for a nonautonomous Ornstein-Uhlenbeck process. In: Tatra Mountains Mathematical Publications, Vol. 51, No. 1, 2012, s. 101-113 -- CPCI-S ; SCOPUS
[o1] 2014 ~ Lacko, V.: Ultimate efficiency of experimental designs for Ornstein-Uhlenbeck type processes. In: Journal of Statistical Planning and Inference, Vol. 149, 2014, s. 77-89 -- SCI ; SCOPUS
- AFC03 Harman, Radoslav (aut) [UKOMFKAMS] (50%) - Sagnol, Guillaume (aut) (50%): Computing D-optimal experimental designs for estimating treatment contrasts under the presence of a nuisance time trend
Lit. 15 záz. n.
In: Stochastic Models, Statistics and Their Applications. - Cham : Springer, 2015. - S. 83-91. - ISBN 978-3-319-13880-0
Edícia: Springer Proceedings in Mathematics and Statistics ; Vol. 122
[Stochastic Models, Statistics and Their Applications : Workshop. 12th, Wroclaw, 16.-21.2.2015]
240 Matematika a štatistika
Ohlasy (3):

- [o1] 2019 ~ Donev, A. N. - Sammut-Powell, C.: Designing experiments in cycles. In: Chemometrics and Intelligent Laboratory Systems, Vol. 184, 2019, s. 64-70 -- SCOPUS
- [o1] 2019 ~ Rosa, S.: Equivalence of weighted and partial optimality of experimental designs. In: Metrika, Vol. 82, No. 6, 2019, s. 719-732 -- SCI ; SCOPUS
- [o1] 2021 ~ Ahipasaoglu, S. D.: A branch-and-bound algorithm for the exact optimal experimental design problem. In: Statistics and Computing, Vol. 31, No. 5, 2021, art. no. 65 -- SCI ; SCOPUS

AFC04 Sagnol, Guillaume (aut) (50%) - Harman, Radoslav (aut) [UKOMFKAMS] (50%): Optimal designs for steady-state Kalman filters

Lit. 16 zázn.

In: Stochastic Models, Statistics and Their Applications. - Cham : Springer, 2015. - S. 149-157. - ISBN 978-3-319-13880-0

Edicia: Springer Proceedings in Mathematics and Statistics ; Vol. 122

[Stochastic Models, Statistics and Their Applications : Workshop. 12th, Wroclaw, 16.-21.2.2015]

240 Matematika a štatistika

Ohlasy (4):

[o1] 2018 ~ Belabbas, M. A. - Kirkoryan, A.: Optimal actuator design for linear systems with multiplicative noise. In: 2018 European Control Conference (ECC 2018). New York : IEEE, 2018, S. 2726-2731 -- CPCI-S ; SCOPUS

[o1] 2018 ~ Belabbas, M. A. - Chen, X.: Sensor placement for optimal estimation of vector-valued diffusion processes. In: Systems and Control Letters, Vol. 121, 2018, s. 24-30 -- SCI ; SCOPUS

[o1] 2019 ~ Belabbas, M. A. - Kirkoryan, A.: On the Optimal Design of Low Frequency Actuators. In: Proceedings of the IEEE Conference on Decision and Control. New York : IEEE, 2019, S. 6674-6679 -- SCI ; SCOPUS

[o1] 2021 ~ Duarte, B. P. M. - Atkinson, A. C. - Oliveira, N. M. C.: Optimal experimental design for linear time invariant state space models. In: Statistics and Computing, Vol. 31, No. 4, 2021, art. no. 45 -- SCI ; SCOPUS

AFD Publikované príspevky na domácich vedeckých konferenciách

AFD01 Harman, Radoslav (aut) [UKOMFKAMS] (100%): The asymptotic regularity of a generalization of a linear regression model with nonmonotonous link function

Podnázov na titulnom liste - PROBASTAT '98. - Recenzované

Lit. 4 zázn.

In: Tatra Mountains Mathematical Publications. - Vol. 17 (1999), s. 37-44. - ISSN (print) 1210-3195

[ProbaStat 1998 : Probability and Mathematical Statistics : International Conference. 3rd, Smolenice, 9.-13.2.1998]

AFD02 Harman, Radoslav (aut) [UKOMFKAMS] (100%): A method how to delete points which do not support a D-optimal design

Recenzované. - Podnázov na titulnom liste - PROBASTAT '02 : Dedicated to Andrej Pázman

Lit. 4 zázn.

In: Tatra Mountains Mathematical Publications. - Vol. 26, Part 1 (2003), s. 59-67. - ISSN (print) 1210-3195

[ProbaStat 2002 : Probability and Mathematical Statistics : International Conference. 4th, Smolenice, 4.-8.2.2002]

AFD03 Filová, Lenka (aut) [UKOMFKAMS] (50%) - Harman, Radoslav (aut) [UKOMFKAMS] (50%):

Criterion-robust designs for the models of spring balance weighing

Podnázov na titulnom liste - PROBASTAT '11 : Dedicated to Professor Lubomír Kubáček in recognition of his eightieth birthday

Lit. 12 zázn.

In: Tatra Mountains Mathematical Publications. - Vol. 51, No. 1 (2012), s. 23-32. - ISSN (print) 1210-3195

[ProbaStat 2011 : Probability and Mathematical Statistics : International Conference. 6th, Smolenice, 4.-8.7.2011]

AFE Abstrakty pozvaných příspěvků ze zahraničních konferencí

AFE01 Bachratá, Alena (aut) [UKOMFKAMSd] (50%) - Harman, Radoslav (aut) [UKOMFKAMS] (50%):
Experimental designs under resource constraints: algorithmic construction
Lit. 4 záz. n.
In: International Conference on Trends and Perspectives in Linear Statistical Inference: LinStat 2014. -
Linköping : Linköping University, 2014. - S. 30. - ISBN 978-91-7519-242-0
[LinStat 2014 : Trends and Perspectives in Linear Statistical Inference : International Conference. Linköping,
24.-28.8.2014]
240 Matematika a štatistika

AFG Abstrakty příspěvků ze zahraničních vědeckých konferencí

AFG01 Harman, Radoslav (aut) [UKOMFKAMS] (50%) - Lacko, Vladimír (aut) [UKOMFKAMSd] (50%):
Algorithms for Uniform Sampling from n-spheres and n-balls
Lit. 3 záz. n.
In: ODAM 2011 : Book of Abstracts. - Olomouc : Palacký University, 2011. - S. 21. - ISBN
978-80-244-2684-6
[ODAM 2011 : Olomoucian Days of Applied Mathematics : International Conference. Olomouc,
26.-28.1.2011]

AFG02 Michalíková, Jana (aut) [UKOMFKAMSd] (50%) - Harman, Radoslav (aut) [UKOMFKAMS] (50%): On
criterion robust designs for experiments with block of size two
Lit. 2 záz. n.
In: ODAM 2011 : Book of Abstracts. - Olomouc : Palacký University, 2011. - S. 43. - ISBN
978-80-244-2684-6
[ODAM 2011 : Olomoucian Days of Applied Mathematics : International Conference. Olomouc,
26.-28.1.2011]

AFG03 Bachratá, Alena (aut) [UKOMFKAMSd] (50%) - Harman, Radoslav (aut) [UKOMFKAMS] (50%): Using
methods of stochastic optimization for constructing optimal experimental designs with cost constraints
In: International Conference on Trends and Perspectives in Linear Statistical Inference. - [Poznaň] : [Poznaň
University of Life Science], 2012. - S. 175. - ISBN 978-83-63400-12-5
[LinStat 2012 : Trends and Perspectives in Linear Statistical Inference : International Conference. Bedlewo,
16.-20.7.2012]
[IWMS 2012 : International Workshop on Matrices and Statistics. 21st, Bedlewo, 16.-20.7.2012]

AFG04 Filová, Lenka (aut) [UKOMFKAMS] (50%) - Harman, Radoslav (aut) [UKOMFKAMS] (50%):
Constructing efficient exact designs of experiments using integer quadratic programming
In: International Conference on Trends and Perspectives in Linear Statistical Inference. - [Poznaň] : [Poznaň
University of Life Science], 2012. - S. 99. - ISBN 978-83-63400-12-5
[LinStat 2012 : Trends and Perspectives in Linear Statistical Inference : International Conference. Bedlewo,
16.-20.7.2012]
[IWMS 2012 : International Workshop on Matrices and Statistics. 21st, Bedlewo, 16.-20.7.2012]

AFG05 Tuček, Pavel (aut) (40%) - Tučková, Michaela (aut) (30%) - Harman, Radoslav (aut) [UKOMFKAMS]
(30%): Optimální návrh měření sigmoidálních funkcí
Popis urobený 28.11.2012
Lit. 4 záz. n.
In: ROBUST 2012 : Sborník abstraktů [elektronický zdroj]. - [Praha] : [s.n.], 2012. - S. 27 [online]
[ROBUST 2012 : Letní škola JČMF. 17., Němčičky, 9.-14.9.2012]
URL: <http://www.karlin.mff.cuni.cz/~antoch/robust12/abstrakty-program.pdf>

AFG06 Harman, Radoslav (aut) [UKOMFKAMS] (100%): Multiplicative methods of computing D-optimal
stratified experimental designs

Popis urobený 11.11.2013

Lit. 3 záz. n.

In: International Workshop on Simulation : Book of Abstracts [elektronický zdroj]. - Bologna : Humboldt-University of Bologna, 2013. - S. 197-198 [online]. - ISSN 1973-9346

Edicia: Quaderni di Dipartimento - Serie Ricerche ; No. 3

[IWS 2013 : International Workshop on Simulation. 7th, Bologna, 21.-25.5.2013]

AFH Abstrakty príspevkov z domácich vedeckých konferencií

AFH01 Filová, Lenka (aut) [UKOMFKAMS] (34%) - Harman, Radoslav (aut) [UKOMFKAMS] (33%) - Klein, Thomas (aut) (33%): Criterion-robust designs for the model of spring balance weighing with a constant bias
In: PROBASTAT 2011 : Abstracts. - Bratislava : Institute of Measurement Science SAS, 2011. - S. 24
[ProbaStat 2011 : Probability and Mathematical Statistics : International Conference. 6th, Smolenice, 4.-8.7.2011]

AFH02 Harman, Radoslav (aut) [UKOMFKAMS] (50%) - Lacko, Vladimír (aut) [UKOMFKAMSd] (50%): A conditional distribution approach to uniform sampling on spheres and balls in Lebesgue spaces
Lit. 3 záz. n.
In: PROBASTAT 2011 : Abstracts. - Bratislava : Institute of Measurement Science SAS, 2011. - S. 26
[ProbaStat 2011 : Probability and Mathematical Statistics : International Conference. 6th, Smolenice, 4.-8.7.2011]

AFH03 Štulajter, František (aut) [UKOMFKAMS] (50%) - Harman, Radoslav (aut) [UKOMFKAMS] (50%): Best linear unbiased predictors in spectrally orthogonal FDSLRLMS
In: PROBASTAT 2011 : Abstracts. - Bratislava : Institute of Measurement Science SAS, 2011. - S. 39
[ProbaStat 2011 : Probability and Mathematical Statistics : International Conference. 6th, Smolenice, 4.-8.7.2011]

AFH04 Harman, Radoslav (aut) [UKOMFKAMS] (100%): Pátranie po informáciách ukrytých v mnohorozmerných dátach
In: 44. konferencia slovenských matematikov. - Žilina : EDIS, 2012. - S. 26. - ISBN 978-80-554-0605-3
[Konferencia slovenských matematikov 2012. 44., Jasná pod Chopkom, 22.-25.11.2012]

AFH05 Vidošovičová, Mária (aut) [UKOLFFYU] (12.5%) - Addová, Gabriela (aut) [UKOPRCUS] (12.5%) - Górová, Renáta (aut) [UKOPRCUS] (12.5%) - Harman, Radoslav (aut) [UKOMFKAMS] (12.5%) - Árvai, Michal (aut) (12.5%) - Waczulíková, Iveta (aut) [UKOMFKJFB] (12.5%) - Ostatníková, Daniela (aut) [UKOLFFYU] (12.5%) - Babinská, Katarína (aut) [UKOLFFYU] (12.5%): Metabolická štúdia profilu aminokyselín a acylkarnitínov v súbore osôb s autizmom
In: Slovenský lekár. - Roč. 28, č. Suplementum (2019), s. 27-27. - ISSN (print) 1335-0234
[Konferencia o biologickej psychiatrii. 7, Piešťany, 30.05.2019 - 01.06.2019]
abstrakt z podujatia - ČL konferenčný príspevok
180 Lekárske, farmaceutické a nelekárske zdravotnícke vedy
120 Chémia, chemická technológia a biotechnológie

AFH06 Vidošovičová, Mária (aut) [UKOLFFYU] (10%) - Babinská, Katarína (aut) [UKOLFFYU] (10%) - Addová, Gabriela (aut) [UKOPRCUS] (10%) - Górová, Renáta (aut) [UKOPRCUS] (10%) - Waczulíková, Iveta (aut) [UKOMFKJFB] (10%) - Harman, Radoslav (aut) [UKOMFKAMS] (10%) - Kováč, Andrej (aut) (10%) - Katina, Stanislav (aut) (10%) - Ostatníková, Daniela (aut) [UKOLFFYU] (10%) - Repiská, Gabriela (aut) [UKOLF] (10%): Metabolická analýza acylkarnitínového profilu a aminokyselín u detí s poruchami autistického spektra
In: 96. fyziologické dni. - Martin : Jesseniova lekárska fakulta UK, 2020. - S. 119-119. - ISBN 978-80-8187-074-3
[Fyziologické dni. 96, Martin, 04.02.2020 - 06.02.2020]
abstrakt z podujatia - KP konferenčný príspevok
180 Lekárske, farmaceutické a nelekárske zdravotnícke vedy

BCI Skriptá a učebné texty

BCI01 Harman, Radoslav (aut) [UKOMFKAMS] (40%) - Hönschová, Erika (aut) [UKOMFKAMSd] (30%) - Somorčík, Ján (aut) [UKOMFKAMS] (30%): Zbierka úloh zo základov teórie pravdepodobnosti. - 1. vyd. - Bratislava : PACI, 2009. - 252 s.
Lit. 16 zázn.
ISBN 978-80-89186-53-2
010 Pedagogické vedy
240 Matematika a štatistika

BEE Odborné práce v zahraničných zborníkoch (konferenčných aj nekonferenčných)

BEE01 Bachratá, Alena (aut) [UKOMFKAMSd] (50%) - Harman, Radoslav (aut) [UKOMFKAMS] (50%): A stochastic optimization method for constructing optimal block designs with linear constraints
Lit. 8 zázn.
In: 18th European Young Statisticians Meeting. - Osijek : J. J. Strossmayer University, 2014. - S. 147-151. - ISBN 978-953-6931-70-5
[EYSM 2013 : European Young Statisticians Meeting. 18th, Osijek, 26.-30.8.2013]
240 Matematika a štatistika
POZNÁMKA:
Vyšlo aj ako abstrakt - 18th European Young Statisticians Meeting. - Osijek : J. J. Strossmayer University, 2013. - S. 54

BEE02 Harman, Radoslav (aut) [UKOMFKAMS] (100%): Faktorová analýza
Lit. 7 zázn.
In: Nový encyklopedický slovník češtiny. - Praha : Nakladatelství Lidové noviny, 2016. - S. 473-474. - ISBN 978-80-7422-480-5
240 Matematika a štatistika
020 Humanitné vedy

BFA Abstrakty odborných prác zo zahraničných podujatí (konferencie, ...)

BFA01 Filová, Lenka (aut) [UKOMFKAMS] (50%) - Harman, Radoslav (aut) [UKOMFKAMS] (50%): The RL heuristic for computing optimal designs of experiments
Lit. 4 zázn.
In: 10th International Workshop on Model-Oriented Data Analysis & Optimum Design. - [Zielona Góra] : [University of Zielona Góra], 2013. - S. 65
[mODa 2013 : Model-Oriented Design and Analysis : International Workshop. 10th, Lagów Lubuski, 10.-14.6.2013]

BFA02 Harman, Radoslav (aut) [UKOMFKAMS] (100%): Barycentric algorithm for computing approximate D-optimal designs with simultaneous size and cost constraints
Lit. 1 zázn.
In: 10th International Workshop on Model-Oriented Data Analysis & Optimum Design. - [Zielona Góra] : [University of Zielona Góra], 2013. - S. 33
[mODa 2013 : Model-Oriented Design and Analysis : International Workshop. 10th, Lagów Lubuski, 10.-14.6.2013]

BFA03 Babinská, Katarína (aut) [UKOLFFYU] (12.5%) - Vidošovičová, Mária (aut) [UKOLFFYU] (12.5%) - Addová, Gabriela (aut) [UKOPRCUS] (12.5%) - Górová, Renáta (aut) [UKOPRCUS] (12.5%) - Harman, Radoslav (aut) [UKOMFKAMS] (12.5%) - Árvai, Michal (aut) (12.5%) - Waczulíková, Iveta (aut) [UKOMFKJFB] (12.5%) - Ostatníková, Daniela (aut) [UKOLFFYU] (12.5%): Study of amino-acid and

acylcarnitine profiles in a dry blood spot in children and adolescents with autism spectrum disorder from Slovakia [elektronický dokument]

In: 12th Autism-Europe International Congress [elektronický dokument] : Abstract Book. - Marseille : Eventime, 2019. - S. 203-203, Poster No.: FRI02-73 [online]

[Autism-Europe International Congress. 12, Nice, 13.09.2019 - 15.09.2019]

abstrakt z podujatia - KP konferenčný príspevok

120 Chémia, chemická technológia a biotechnológia

180 Lekárske, farmaceutické a nelekárske zdravotnícke vedy

BFA04 Vidošovičová, Mária (aut) [UKOLFFYU] (12.5%) - Addová, Gabriela (aut) [UKOPRCUS] (12.5%) - Górová, Renáta (aut) [UKOPRCUS] (12.5%) - Harman, Radoslav (aut) [UKOMFKAMS] (12.5%) - Árvai, Michal (aut) (12.5%) - Waczulíková, Iveta (aut) [UKOMFKJFB] (12.5%) - Ostatníková, Daniela (aut) [UKOLFFYU] (12.5%) - Babinská, Katarína (aut) [UKOLFFYU] (12.5%): Profil aminokyselín a acylkarnitínov v suchej kvapke krvi u detí s poruchou autistického spektra [elektronický dokument]

In: 95. Fyziologické dny [elektronický dokument]. - Praha : [s.n.], 2019. - S. 56-56 [online]

[Fyziologické dny 2019. 95, Praha, 05.02.2019 - 07.02.2019]

abstrakt z podujatia - KP konferenčný príspevok

180 Lekárske, farmaceutické a nelekárske zdravotnícke vedy

091 Fyzika

120 Chémia, chemická technológia a biotechnológia

BFB Abstrakty odborných prác z domácich podujatí (konferencie, ...)

BFB01 Filová, Lenka (aut) [UKOMFKAMS] (50%) - Harman, Radoslav (aut) [UKOMFKAMS] (50%):

Computational aspects of optimal experimental designs

Pozvaná prednáška. - Nevykazované UKO

In: MMEI 2021 Mathematical Methods in Economy and Industry : Book of Abstracts and Conference Programme. - Bratislava : Slovenská akadémia vied, 2021. - S. 23-23. - ISBN 978-80-7144-323-0

[Mathematical Methods in Economy and Industry 2021. 21, Smolenice, 15.09.2021 - 19.09.2021]

abstrakt z podujatia - KP konferenčný príspevok

240 Matematika a štatistika

URL: <http://www.iam.fmph.uniba.sk/mmei2021/abstracts.php>

DAI Dizertačné a habilitačné práce

DAI01 Harman, Radoslav (aut) [UKOMFKAMS] (100%): Minimal efficiency of experimental designs under the class of orthogonally invariant criteria = Minimálna efíciencia experimentálnych návrhov v triede ortogonálne invariantných kritérií. - Bratislava : [s.n.], 2004. - 77 s.

Doktorandská dizertačná práca (PhD.) - Univerzita Komenského, Bratislava, 2004

11-06-9 Pravdepodobnosť a matematická štatistika

Ohlasy (1):

[o2] 2008 ~ Bušová, L.: Computing the minimal efficiency of designs by a differentiable approximation of .FI.Ek-optimality criteria. In: Acta Mathematica Universitatis Comenianae, Vol. 77, No. 2, 2008, s. 155-166 -- SCOPUS

DAI02 Harman, Radoslav (aut) [UKOMFKAMS] (100%): Contributions to the theory of optimal experimental design. - Bratislava : [s.n.], 2010. - 14 s.

Habilitačná práca (Docent; Doc.) - Univerzita Komenského, Bratislava, 2010

Optimálny návrh experimentu

240 Matematika a štatistika

P1 Pedagogický výstup publikačnej činnosti ako celok

P101 Harman, Radoslav (aut) [UKOMFKAMS] (50%) - Filová, Lenka (aut) [UKOMFKAMS] (50%): Základy pravdepodobnosti pre študentov informatiky a dátovej vedy [elektronický dokument]. - 1. vyd. - Bratislava :

Knižničné a edičné centrum, 2022. - 109 s.[online]
Lit.: 8 záz.
ISBN 978-80-8147-126-1
skriptum
010 Pedagogické vedy
240 Matematika a štatistika
7605 vzdelávanie učiteľstvo a pedagogické vedy
1113 prírodné vedy, matematika a informatika matematika
URL: https://stella.uniba.sk/texty/FMFI_HF_zaklady_pravdepodobnosti.pdf

P102 Rosa, Samuel (aut) [UKOMFKAMS] (50%) - Harman, Radoslav (aut) [UKOMFKAMS] (50%): Maticová algebra pre štatistiku a dátovú vedu [elektronický dokument]. - 1. vyd. - Bratislava : Knižničné a edičné centrum, 2022. - 131 s. [online]
Lit.: 15 záz.
ISBN 978-80-8147-109-4
skriptum
240 Matematika a štatistika
1113 prírodné vedy, matematika a informatika matematika
URL: <https://dspace.uniba.sk/handle/123456789/40>

V3 Vedecký výstup publikačnej činnosti z časopisu

V301 Rosa, Samuel (aut) [UKOMFKAMS] (75%) - Harman, Radoslav (aut) [UKOMFKAMS] (25%): Computing minimum-volume enclosing ellipsoids for large datasets
Lit.: 23 záz.
In: Computational Statistics & Data Analysis. - č. 171 (2022), s. [1-12], art. no. 107452. - ISSN (print) 0167-9473
článok
240 Matematika a štatistika
1113 prírodné vedy, matematika a informatika matematika
URL: <https://www.sciencedirect.com/science/article/pii/S0167947322000329>
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SCO SCOPUS
SCIE Science Citation Index Expanded
WOS CC Web of Science Core Collection
Indikátor časopisu:
SJR (SCOPUS) 2021=1,016
SNIP (SCOPUS) 2021=1,523
CiteScore (SCOPUS) 2021=2,9
IF (JCR) 2021=2.035
Kvartil Q:
wos-jcr -- Q4 [Computer science, interdisciplinary applications] -- 2021
wos-jcr -- Q2 [Statistics & probability] -- 2021
scimago-sjr -- Q1 [Applied mathematics] -- 2021
scimago-sjr -- Q1 [Computational mathematics] -- 2021
scimago-sjr -- Q1 [Computational theory and mathematics] -- 2021
scimago-sjr -- Q2 [Statistics and probability] -- 2021

Štatistika kategórií (Záznamov spolu: 65):

ADC Vedecké práce v zahraničných karentovaných časopisoch (11)
ADE Vedecké práce v ostatných zahraničných časopisoch (8)
ADF Vedecké práce v ostatných domácich časopisoch (1)
ADM Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS (11)
ADN Vedecké práce v domácich časopisoch registrovaných v databázach Web of Science alebo SCOPUS (1)

AFC Publikované príspevky na zahraničných vedeckých konferenciách (4)
AFD Publikované príspevky na domácich vedeckých konferenciách (3)
AFE Abstrakty pozvaných príspevkov zo zahraničných konferencií (1)
AFG Abstrakty príspevkov zo zahraničných vedeckých konferencií (6)
AFH Abstrakty príspevkov z domácich vedeckých konferencií (6)
BCI Skriptá a učebné texty (1)
BEE Odborné práce v zahraničných zborníkoch (konferenčných aj nekonferenčných) (2)
BFA Abstrakty odborných prác zo zahraničných podujatí (konferencie, ...) (4)
BFB Abstrakty odborných prác z domácich podujatí (konferencie, ...) (1)
DAI Dizertačné a habilitačné práce (2)
V3 Vedecký výstup publikačnej činnosti z časopisu (1)
P1 Pedagogický výstup publikačnej činnosti ako celok (2)

Štatistika ohlasov (303):

[o1] Citácie v zahraničných publikáciách registrované v citačných indexoch (227)
[o2] Citácie v domácich publikáciách registrované v citačných indexoch (5)
[o3] Citácie v zahraničných publikáciách neregistrované v citačných indexoch (20)
[o4] Citácie v domácich publikáciách neregistrované v citačných indexoch (3)
[n1] Citácia v publikácii registrovaná v citačných indexoch (46)
[n2] Citácia v publikácii vrátane citácie v publikácii registrovanej v iných databázach okrem citačných indexov (2)

7.2.2023