

***Analiza cytowań prac naukowych Prof. Ewarysta Rafajłowicza według***

***Web of Science za lata 1978-2009 bez autocytowań***

**Liczba cytowań : 193**

***Podręcznik Rafajłowicz, Ewaryst. Algorytmy planowania eksperymentu z implementacjami w środowisku Mathematica 1996***

**RAFAJLOWICZ E                      ALGHORITHMS EXPT DES                      1996    ( cytowane w WoS jako)**

Title: D-optimal trajectory design of heterogeneous mobile sensors for parameter estimation of distributed systems

Author(s): Tricaud, C (Tricaud, Christophe); Patan, M (Patan, Maciej); Ucinski, D (Ucinski, Dariusz); Chen, Y (Chen, YangQuan)

Source: 2008 AMERICAN CONTROL CONFERENCE, VOLS 1-12 Book Series: PROCEEDINGS OF THE AMERICAN CONTROL CONFERENCE Pages: 663-668 DOI: 10.1109/ACC.2008.4586568 Published: 2008

Title: Fast and robust way of learning the Fourier series neural networks on the basis of multidimensional discrete Fourier transform

Author(s): Halawa, K (Halawa, Krzysztof)

Editor(s): Rutkowski L; Tadeusiewicz R; Zadeh LA; Zurada JM

Source: ARTIFICIAL INTELLIGENCE AND SOFT COMPUTING - ICAISC 2008, PROCEEDINGS Book Series: LECTURE NOTES IN ARTIFICIAL INTELLIGENCE Volume: 5097 Pages: 62-70 Published: 2008

Title: Parallel processing in discrimination between models of dynamic systems

Author(s): Kuczewski, B (Kuczewski, Bartosz); Baranowski, P (Baranowski, Przemyslaw); Ucinski, D (Ucinski, Dariusz)

Editor(s): Wyrzykowski R; Dongarra J; Meye N; Wasniewski J

Source: PARALLEL PROCESSING AND APPLIED MATHEMATICS Book Series: LECTURE NOTES IN COMPUTER SCIENCE Volume: 3911 Pages: 340-348 Published: 2006

Title: Discrimination between models of distributed parameter systems using T-optimum experimental design

Author(s): Kuczewski, B (Kuczewski, B); Patan, M (Patan, M); Ucinski, D (Ucinski, D)

Editor(s): Wyrzykowski R; Dongarra J; Paprzycki M; Wasniewski J

Source: PARALLEL PROCESSING AND APPLIED MATHEMATICS Book Series: LECTURE NOTES IN COMPUTER SCIENCE Volume: 3019 Pages: 762-769 Published: 2003

Title: Teaching the experimental design. Lecture and exercises

Author(s): Rozycki, C (Rozycki, C); Synoradzki, L (Synoradzki, L)

Source: PRZEMYSŁ CHEMICZNY Volume: 82 Issue: 8-9 Pages: 1342-1344 Part: Part 2 Published: AUG-SEP 2003

Title: Response surface methodology at irregular grids based on Voronoi scheme with neural network approximator

Author(s): Pietraszek, J (Pietraszek, J)

Editor(s): Rutkowski L; Kacprzyk J

Source: NEURAL NETWORKS AND SOFT COMPUTING Book Series: ADVANCES IN SOFT COMPUTING Pages: 250-255 Published: 2003

Title: Optimal location of sensors for parameter estimation of static distributed systems

Author(s): Patan, M (Patan, M); Ucinski, D (Ucinski, D)

Editor(s): Wyrzykowski R; Dongarra J; Paprzycki M; Wasniewski J

Source: PARALLEL PROCESSING APPLIED MATHEMATICS Book Series: LECTURE NOTES IN COMPUTER SCIENCE Volume: 2328 Pages: 729-737 Published: 2002

**Rafajłowicz, Ewaryst. Myszka, Wojciech. *Optimum experimental design for a regression on a hypercube-generalization of hoel's result / Annals of the Institute of Statistical Mathematics. 1988, vol. 40, nr 4, s. 821-827***

Title: Criterion-robust optimal designs for model discrimination and parameter estimation: Multivariate polynomial regression case

Author(s): Tsai, MH (Tsai, MH); Zen, MM (Zen, MM)

Source: STATISTICA SINICA Volume: 14 Issue: 2 Pages: 591-601 Published: APR 2004

Title: A new design criterion when heteroscedasticity is ignored

Author(s): Montepiedra, G (Montepiedra, G); Wong, WK (Wong, WK)

Source: ANNALS OF THE INSTITUTE OF STATISTICAL MATHEMATICS Volume: 53 Issue: 2 Pages: 418-426 DOI: 10.1023/A:1012435125788 Published: JUN 2001

Title: Comparison of two methods for the analysis of composite material

Author(s): Konderla, P (Konderla, P); Mokanek, T (Mokanek, T)

Source: JOURNAL OF MATERIALS PROCESSING TECHNOLOGY Volume: 106 Issue: 1-3 Pages: 87-93  
DOI: 10.1016/S0924-0136(00)00643-9 Published: OCT 31 2000

Title: Online calculation of efficient designs for multi-factor models

Author(s): Dette, H (Dette, H); Roeder, I (Roeder, I)

Source: BIOMETRICAL JOURNAL Volume: 42 Issue: 3 Pages: 349-362 DOI: 10.1002/1521-4036(200007)42:3<349::AID-BIMJ349>3.0.CO;2-N Published: 2000

Title: Efficiency bounds for product designs in linear models

Author(s): Schwabe, R (Schwabe, R); Wong, WK (Wong, WK)

Source: ANNALS OF THE INSTITUTE OF STATISTICAL MATHEMATICS Volume: 51 Issue: 4 Pages: 723-730 DOI: 10.1023/A:1004087314831 Published: DEC 1999

Title: Optimal discrimination designs for multifactor experiments

Author(s): Dette, H (Dette, H); Roder, I (Roder, I)

Source: ANNALS OF STATISTICS Volume: 25 Issue: 3 Pages: 1161-1175 Published: JUN 1997

Title: A relationship between efficiencies of marginal designs and the product design

Author(s): Schwabe, R (Schwabe, R); Wong, WK (Wong, WK)

Source: METRIKA Volume: 45 Issue: 3 Pages: 253-257 DOI: 10.1007/BF02717107 Published: 1997

Title: Optimal product designs for multivariate regression with missing terms

Author(s): Dette, H (Dette, H); Roder, I (Roder, I)

Source: SCANDINAVIAN JOURNAL OF STATISTICS Volume: 23 Issue: 2 Pages: 195-208 Published: JUN 1996

Title: Optimal designs for additive linear models

Author(s): Schwabe, R (Schwabe, R)

Source: STATISTICS Volume: 27 Issue: 3-4 Pages: 267-278 DOI: 10.1080/02331889708802531  
Published: 1996

Title: G-OPTIMAL DESIGNS FOR MULTIFACTOR EXPERIMENTS WITH HETEROSCEDASTIC ERRORS

Author(s): WONG, WK (WONG, WK)

Source: JOURNAL OF STATISTICAL PLANNING AND INFERENCE Volume: 40 Issue: 1 Pages: 127-133  
DOI: 10.1016/0378-3758(94)90146-5 Published: JUN 1994

Title: OPTIMALITY OF EXPERIMENTAL-DESIGNS

Author(s): NISHII, R (NISHII, R)

Source: DISCRETE MATHEMATICS Volume: 116 Issue: 1-3 Pages: 209-225 DOI: 10.1016/0012-365X(93)90402-F Published: JUN 1 1993

**Rafajłowicz, Ewaryst. Skubalska-Rafajłowicz, Ewa. FFT in calculating nonparametric regression estimate based on trigonometric series / Applied Mathematics and Computer Science. 1993, vol. 3, nr 4, s. 713-720**

Title: Fast and robust way of learning the Fourier series neural networks on the basis of multidimensional discrete Fourier transform

Author(s): Halawa, K (Halawa, Krzysztof)

Editor(s): Rutkowski L; Tadeusiewicz R; Zadeh LA; Zurada JM

Source: ARTIFICIAL INTELLIGENCE AND SOFT COMPUTING - ICAISC 2008, PROCEEDINGS Book Series: LECTURE NOTES IN ARTIFICIAL INTELLIGENCE Volume: 5097 Pages: 62-70 Published: 2008

Title: Nonparametric System Identification

Author(s): Greblicki, W (Greblicki, W); Pawlak, M (Pawlak, M)

Source: NONPARAMETRIC SYSTEM IDENTIFICATION Pages: 1-390 DOI: 10.1017/CBO9780511536687  
Published: 2008

Title: Optimization of learning process for Fourier series neural networks using gradient descent algorithm

Author(s): Halawa, K (Halawa, Krzysztof)

Source: PRZEGLAD ELEKTROTECHNICZNY Volume: 84 Issue: 6 Pages: 128-130 Published: 2008

Title: Determining the weights of a Fourier series neural network on the basis of the multidimensional discrete Fourier transform

Author(s): K (Halawa, Krzysztof)

Source: INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS AND COMPUTER SCIENCE Volume: 18  
Issue: 3 Pages: 369-375 DOI: 10.2478/v10006-008-0033-8 Published: SEP 2008

**Rafajłowicz, Ewaryst. *Nonparametric algorithm for input signals identification in static distributed - parameter systems / IEEE Transactions on Automatic Control. 1984, vol. AC-29, nr 7, s. 631-633***

Title: MULTIPLE FOURIER-SERIES PROCEDURES FOR EXTRACTION OF NONLINEAR REGRESSIONS FROM NOISY DATA

Author(s): RUTKOWSKI, L (RUTKOWSKI, L)

Source: IEEE TRANSACTIONS ON SIGNAL PROCESSING Volume: 41 Issue: 10 Pages: 3062-3065 DOI: 10.1109/78.277809 Published: OCT 1993

Title: IDENTIFICATION OF MISO NONLINEAR REGRESSIONS IN THE PRESENCE OF A WIDE CLASS OF DISTURBANCES

Author(s): RUTKOWSKI, L (RUTKOWSKI, L)

Source: IEEE TRANSACTIONS ON INFORMATION THEORY Volume: 37 Issue: 1 Pages: 214-216 DOI: 10.1109/18.61144 Published: JAN 1991

Title: APPLICATION OF MULTIPLE FOURIER-SERIES TO IDENTIFICATION OF MULTIVARIABLE NON-STATIONARY SYSTEMS

Author(s): RUTKOWSKI, L (RUTKOWSKI, L)

Source: INTERNATIONAL JOURNAL OF SYSTEMS SCIENCE Volume: 20 Issue: 10 Pages: 1993-2002 DOI: 10.1080/00207728908910279 Published: OCT 1989

Title: NONPARAMETRIC FITTING OF MULTIVARIATE FUNCTIONS

Author(s): GALKOWSKI, T (GALKOWSKI, T); RUTKOWSKI, L (RUTKOWSKI, L)

Source: IEEE TRANSACTIONS ON AUTOMATIC CONTROL Volume: 31 Issue: 8 Pages: 785-787 DOI: 10.1109/TAC.1986.1104399 Published: AUG 1986

Title: A GENERAL-APPROACH FOR NONPARAMETRIC FITTING OF FUNCTIONS AND THEIR DERIVATIVES WITH APPLICATIONS TO LINEAR CIRCUITS IDENTIFICATION

Author(s): RUTKOWSKI, L (RUTKOWSKI, L)

Source: IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS Volume: 33 Issue: 8 Pages: 812-818 DOI: 10.1109/TCS.1986.1086001 Published: AUG 1986

Title: NONPARAMETRIC KERNEL ALGORITHM FOR RECOVERY OF FUNCTIONS FROM NOISY MEASUREMENTS WITH APPLICATIONS

Author(s): GEORGIEV, AA (GEORGIEV, AA)

Source: IEEE TRANSACTIONS ON AUTOMATIC CONTROL Volume: 30 Issue: 8 Pages: 782-784 DOI: 10.1109/TAC.1985.1104052 Published: 1985

Title: REAL-TIME IDENTIFICATION OF TIME-VARYING SYSTEMS BY NON-PARAMETRIC ALGORITHMS BASED ON PARZEN KERNELS

Author(s): RUTKOWSKI, L (RUTKOWSKI, L)

Source: INTERNATIONAL JOURNAL OF SYSTEMS SCIENCE Volume: 16 Issue: 9 Pages: 1123-1130 DOI: 10.1080/00207728508926737 Published: 1985

Title: NONPARAMETRIC RECOVERY OF MULTIVARIATE FUNCTIONS WITH APPLICATIONS TO SYSTEM-IDENTIFICATION

Author(s): GALKOWSKI, T (GALKOWSKI, T); RUTKOWSKI, L (RUTKOWSKI, L)

Source: PROCEEDINGS OF THE IEEE Volume: 73 Issue: 5 Pages: 942-943 DOI: 10.1109/PROC.1985.13223 Published: 1985

**Rafajłowicz, Ewaryst. *Optimal experiment design for identification of linear distributed-parameter systems /frequency domain approach/ / IEEE Transactions on Automatic Control. 1983, vol. AC-28, nr 7, s. 806-808***

Title: CONFIGURING A SENSOR NETWORK FOR FAULT DETECTION IN DISTRIBUTED PARAMETER SYSTEMS

Author(s): Patan, M (Patan, Maciej); Ucinski, D (Ucinski, Dariusz)

Source: INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS AND COMPUTER SCIENCE Volume: 18 Issue: 4 Pages: 513-524 DOI: 10.2478/v10006-008-0045-4 Published: DEC 2008

Title: Mobile sensor routing for parameter estimation of distributed systems using the parallel tunneling method

Author(s): Zieba, T (Zieba, Tomasz); Ucinski, D (Ucinski, Dariusz)

Source: INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS AND COMPUTER SCIENCE Volume: 18 Issue: 3 Pages: 307-318 DOI: 10.2478/v10006-008-0028-5 Published: SEP 2008

Title: Optimal experimental design and some related control problems

Author(s): Pronzato, L (Pronzato, Luc)

Source: AUTOMATICA Volume: 44 Issue: 2 Pages: 303-325 DOI: 10.1016/j.automatica.2007.05.016  
Published: FEB 2008

Title: D-optimal design of a monitoring network for parameter estimation of distributed systems

Author(s): Ucinski, D (Ucinski, Dariusz); Patan, M (Patan, Maciej)

Source: JOURNAL OF GLOBAL OPTIMIZATION Volume: 39 Issue: 2 Pages: 291-322 DOI:  
10.1007/s10898-007-9139-z Published: OCT 2007

Title: Optimal activation policies for continuous scanning observations in parameter estimation of distributed systems

Author(s): Patan, M (Patan, Maciej)

Source: INTERNATIONAL JOURNAL OF SYSTEMS SCIENCE Volume: 37 Issue: 11 Pages: 763-775 DOI:  
10.1080/00207720600825560 Published: SEP 15 2006

Title: Sensor network design for parameter estimation of distributed systems using nonsmooth optimality criteria

Author(s): Ucinski, D (Ucinski, Dariusz)

Source: 2005 44th IEEE Conference on Decision and Control & European Control Conference, Vols 1-8  
Book Series: IEEE CONFERENCE ON DECISION AND CONTROL - PROCEEDINGS Pages: 3152-3157  
Published: 2005

Title: Optimal mobile sensor motion planning under nonholonomic constraints for parameter estimation of distributed systems

Author(s): Song, Z (Song, Z); Chen, YQ (Chen, YQ); Liang, JS (Liang, JS); Ucinski, D (Ucinski, D)

Source: 2005 IEEE/RSJ International Conference on Intelligent Robots and Systems, Vols 1-4 Pages:  
1505-1510 Published: 2005

Title: SENSOR PLACEMENT FOR ON-ORBIT MODAL IDENTIFICATION VIA A GENETIC ALGORITHM

Author(s): YAO, L (YAO, L); SETHARES, WA (SETHARES, WA); KAMMER, DC (KAMMER, DC)

Source: AIAA JOURNAL Volume: 31 Issue: 10 Pages: 1922-1928 DOI: 10.2514/3.11868 Published:  
OCT 1993

Title: SIMULTANEOUS STATE AND PARAMETER-ESTIMATION AND LOCATION OF SENSORS FOR DISTRIBUTED SYSTEMS

Author(s): MALEBRANCHE, H (MALEBRANCHE, H)

Source: INTERNATIONAL JOURNAL OF SYSTEMS SCIENCE Volume: 19 Issue: 8 Pages: 1387-1405  
DOI: 10.1080/00207728808964045 Published: AUG 1988

Title: SENSORS AND CONTROLLERS LOCATION IN DISTRIBUTED SYSTEMS - A SURVEY

Author(s): KUBRUSLY, CS (KUBRUSLY, CS); MALEBRANCHE, H (MALEBRANCHE, H)

Source: AUTOMATICA Volume: 21 Issue: 2 Pages: 117-128 DOI: 10.1016/0005-1098(85)90107-4  
Published: 1985

**Rafajłowicz, Ewaryst. Consistency of orthogonal series density estimators based on grouped observations / IEEE Transactions on Information Theory. 1997, vol. 43, nr 1, s. 283-285**

Title: Kernel density estimation with generalized binning

Author(s): Pawlak, M (Pawlak, M); Stadtmuller, U (Stadtmuller, U)

Source: SCANDINAVIAN JOURNAL OF STATISTICS Volume: 26 Issue: 4 Pages: 539-561 DOI:  
10.1111/1467-9469.00167 Published: DEC 1999

**Rafajłowicz, Ewaryst. Testing (non-) existence of input-output relationships by estimating fractal dimensions / IEEE Transactions on Signal Processing. 2004, vol. 52, nr 11, s. 3151-3159**

Title: Switching Strategies for Sequential Decision Problems With Multiplicative Loss With Application to Portfolios

Author(s): Kozat, SS (Kozat, Suleyman S.); Singer, AC (Singer, Andrew C.)

Source: IEEE TRANSACTIONS ON SIGNAL PROCESSING Volume: 57 Issue: 6 Pages: 2192-2208 DOI:  
10.1109/TSP.2009.2013906 Published: JUN 2009

**Rafajłowicz, Ewaryst. Pawlak, Mirosław. Steland, Ansgar. Nonlinear image processing and filtering: a unified approach based on vertically weighted regression / International Journal of Applied Mathematics and Computer Science. 2008, vol. 18, nr 1, s. 49-61**

Title: Information theory inspired weighted immune classification algorithm

Author(s): Morkowski, M (Morkowski, Maciej); Nowicki, R (Nowicki, Robert)



Editor(s): Rutkowski L; Tadeusiewicz R; Zadeh LA; Zurada JM

Source: ARTIFICIAL INTELLIGENCE AND SOFT COMPUTING - ICAISC 2008, PROCEEDINGS Book Series: LECTURE NOTES IN ARTIFICIAL INTELLIGENCE Volume: 5097 Pages: 652-660 Published: 2008

Rafajłowicz, Ewaryst. Reduction of distributed systems identification complexity using intelligent sensors / *International Journal of Control*. 1989, vol. 50, nr 5, s. 1571-1576,

Title: AN ADAPTIVE FILTER USING SCANNING OBSERVATION WITH APPLICATION TO A DPS

Author(s): MURACA, P (MURACA, P); PUGLIESE, P (PUGLIESE, P)

Source: INTERNATIONAL JOURNAL OF ADAPTIVE CONTROL AND SIGNAL PROCESSING Volume: 8 Issue: 6 Pages: 543-552 DOI: 10.1002/acs.4480080603 Published: NOV-DEC 1994

**Rafajłowicz, Ewaryst. Optimum choice of moving sensor trajectories for distributed-parameter system identification / *International Journal of Control*. 1986, vol. 43, nr 5, s. 1441-1451**

Title: Optimal Training Sequences for Locally Recurrent Neural Networks

Author(s): Patan, K (Patan, Krzysztof); Patan, M (Patan, Maciej)

Editor(s): Alippi C; Polycarpou M; Panayiotou C; Ellinas G

Source: ARTIFICIAL NEURAL NETWORKS - ICANN 2009, PT I Book Series: Lecture Notes in Computer Science Volume: 5768 Pages: 80-89 Published: 2009

Title: Optimal Observation for Cyber-physical Systems: A Fisher-information-matrix-based Approach

Author(s): Song, Z (Song, Z); Chen, YQ (Chen, YQ); Sastry, CR (Sastry, CR); Tas, NC (Tas, NC)

Source: OPTIMAL OBSERVATION FOR CYBER-PHYSICAL SYSTEMS: A FISHER-INFORMATION-MATRIX-BASED APPROACH Pages: 1-171 DOI: 10.1007/978-1-84882-656-4 Published: 2009

Title: Optimal Mobile Actuator/Sensor Network Motion Strategy for Parameter Estimation in a Class of Cyber Physical Systems

Author(s): Tricaud, C (Tricaud, Christophe); Chen, YQ (Chen, YangQuan)

Source: 2009 AMERICAN CONTROL CONFERENCE, VOLS 1-9 Book Series: PROCEEDINGS OF THE AMERICAN CONTROL CONFERENCE Pages: 367-372 DOI: 10.1109/ACC.2009.5160289 Published: 2009

Title: Mobile sensor routing for parameter estimation of distributed systems using the parallel tunneling method

Author(s): Zieba, T (Zieba, Tomasz); Ucinski, D (Ucinski, Dariusz)

Source: INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS AND COMPUTER SCIENCE Volume: 18  
Issue: 3 Pages: 307-318 DOI: 10.2478/v10006-008-0028-5 Published: SEP 2008

Title: Optimal experimental design and some related control problems

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Source: AUTOMATICA Volume: 44 Issue: 2 Pages: 303-325 DOI: 10.1016/j.automatica.2007.05.016  
Published: FEB 2008

Title: Artificial Neural Networks for the Modelling and Fault Diagnosis of Technical Processes

Author(s): Patan, K (Patan, K)

Source: ARTIFICIAL NEURAL NETWORKS FOR THE MODELLING AND FAULT DIAGNOSIS OF TECHNICAL  
PROCESSES Book Series: Lecture Notes in Control and Information Sciences Volume: 377 Pages: 1-  
206 Published: 2008

Title: D-optimal trajectory design of heterogeneous mobile sensors for parameter estimation of  
distributed systems

Author(s): Tricaud, C (Tricaud, Christophe); Patan, M (Patan, Maciej); Ucinski, D (Ucinski, Dariusz);  
Chen, Y (Chen, YangQuan)

Source: 2008 AMERICAN CONTROL CONFERENCE, VOLS 1-12 Book Series: PROCEEDINGS OF THE  
AMERICAN CONTROL CONFERENCE Pages: 663-668 DOI: 10.1109/ACC.2008.4586568 Published:  
2008

Title: D-optimal design of a monitoring network for parameter estimation of distributed systems

Author(s): Ucinski, D (Ucinski, Dariusz); Patan, M (Patan, Maciej)

Source: JOURNAL OF GLOBAL OPTIMIZATION Volume: 39 Issue: 2 Pages: 291-322 DOI:  
10.1007/s10898-007-9139-z Published: OCT 2007

Title: Development of objective-oriented groundwater models: 2. Robust experimental design

Author(s): Sun, NZ (Sun, Ne-Zheng); Yeh, WWG (Yeh, William W. -G.)

Source: WATER RESOURCES RESEARCH Volume: 43 Issue: 2 Article Number: W02421 DOI:  
10.1029/2006WR004888 Published: FEB 21 2007

Title: An adaptive algorithm for sampling two-dimensional fields using mobile sensors

Author(s): Luo, HY (Luo, Huiyu); Kong, XM (Kong, Xiangming); Pottie, G (Pottie, Gregory)

Source: 2007 IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH, AND SIGNAL PROCESSING, VOL I, PTS 1-3, PROCEEDINGS Book Series: International Conference on Acoustics Speech and Signal Processing (ICASSP) Pages: 857-860 Published: 2007

Title: Optimal activation policies for continuous scanning observations in parameter estimation of distributed systems

Author(s): Patan, M (Patan, Maciej)

Source: INTERNATIONAL JOURNAL OF SYSTEMS SCIENCE Volume: 37 Issue: 11 Pages: 763-775 DOI: 10.1080/00207720600825560 Published: SEP 15 2006

Title: Sensor motion planning in distributed parameter systems using Turing's measure of conditioning

Author(s): Ucinski, D (Ucinski, Dariusz); Chen, YQ (Chen, YangQuan)

Source: PROCEEDINGS OF THE 45TH IEEE CONFERENCE ON DECISION AND CONTROL, VOLS 1-14 Book Series: IEEE Conference on Decision and Control Pages: 759-764 DOI: 10.1109/CDC.2006.377141 Published: 2006

Title: Adaptive sampling for environmental field estimation using robotic sensors

Author(s): Rahimi, M (Rahimi, M); Hansen, M (Hansen, M); Kaiser, WJ (Kaiser, WJ); Sukhatme, GS (Sukhatme, GS); Estrin, D (Estrin, D)

Source: 2005 IEEE/RSJ International Conference on Intelligent Robots and Systems, Vols 1-4 Pages: 747-753 DOI: 308791976,12,1 Published: 2005

Title: Structure reduction and robust experimental design for distributed parameter identification

Author(s): Sun, NZ (Sun, NZ)

Source: INVERSE PROBLEMS Volume: 21 Issue: 2 Pages: 739-758 DOI: 10.1088/0266-5611/21/2/018 Published: APR 2005

Title: Time-optimal path planning of moving sensors for parameter estimation of distributed systems

Author(s): Ucinski, D (Ucinski, Dariusz); Chen, YQ (Chen, YangQuan)

Source: 2005 44th IEEE Conference on Decision and Control & European Control Conference, Vols 1-8 Book Series: IEEE CONFERENCE ON DECISION AND CONTROL - PROCEEDINGS Pages: 5257-5262 Published: 2005

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Source: PARALLEL PROCESSING AND APPLIED MATHEMATICS Book Series: LECTURE NOTES IN COMPUTER SCIENCE Volume: 3019 Pages: 762-769 Published: 2003

Title: Robust activation strategy of scanning sensors via sequential design in parameter estimation of distributed systems

Author(s): Patan, M (Patan, M); Ucinski, D (Ucinski, D)

Editor(s): Wyrzykowski R; Dongarra J; Paprzycki M; Wasniewski J

Source: PARALLEL PROCESSING AND APPLIED MATHEMATICS Book Series: LECTURE NOTES IN COMPUTER SCIENCE Volume: 3019 Pages: 770-778 Published: 2003

Title: Coverage control for mobile sensing networks

Author(s): Cortes, J (Cortes, J); Martinez, S (Martinez, S); Karatas, T (Karatas, T); Bullo, F (Bullo, F)

Source: 2002 IEEE INTERNATIONAL CONFERENCE ON ROBOTICS AND AUTOMATION, VOLS I-IV, PROCEEDINGS Pages: 1327-1332 Published: 2002

Title: Sensor motion planning with design criteria in output space

Author(s): Ucinski, D (Ucinski, D)

Editor(s): Atkinson AC; Hackl P; Muller WG

Source: MODA6 ADVANCES IN MODEL-ORIENTED DESIGN AND ANALYSIS Book Series: CONTRIBUTIONS TO STATISTICS Pages: 251-258 Published: 2001

Title: Optimal sensor location for parameter estimation of distributed processes

Author(s): Ucinski, D (Ucinski, D)

Source: INTERNATIONAL JOURNAL OF CONTROL Volume: 73 Issue: 13 Pages: 1235-1248 DOI: 10.1080/002071700417876 Published: SEP 2000

Title: AN ADAPTIVE FILTER USING SCANNING OBSERVATION WITH APPLICATION TO A DPS

Author(s): MURACA, P (MURACA, P); PUGLIESE, P (PUGLIESE, P)

Source: INTERNATIONAL JOURNAL OF ADAPTIVE CONTROL AND SIGNAL PROCESSING Volume: 8 Issue: 6 Pages: 543-552 DOI: 10.1002/acs.4480080603 Published: NOV-DEC 1994

Title: CONTINUOUS OBSERVABILITY FOR PARABOLIC-SYSTEM UNDER OBSERVATIONS OF DISCRETE TYPE

Author(s): KHAPALOV, AY (KHAPALOV, AY)

Source: IEEE TRANSACTIONS ON AUTOMATIC CONTROL Volume: 38 Issue: 9 Pages: 1388-1391 DOI: 10.1109/9.237651 Published: SEP 1993

Title: OPTIMAL MEASUREMENT TRAJECTORIES FOR DISTRIBUTED PARAMETER-SYSTEMS

Author(s): KHAPALOV, AY (KHAPALOV, AY)

Source: SYSTEMS & CONTROL LETTERS Volume: 18 Issue: 6 Pages: 467-477 DOI: 10.1016/0167-6911(92)90051-S Published: JUN 1992

Title: SIMULTANEOUS STATE AND PARAMETER-ESTIMATION AND LOCATION OF SENSORS FOR DISTRIBUTED SYSTEMS

Author(s): MALEBRANCHE, H (MALEBRANCHE, H)

Source: INTERNATIONAL JOURNAL OF SYSTEMS SCIENCE Volume: 19 Issue: 8 Pages: 1387-1405 DOI: 10.1080/00207728808964045 Published: AUG 1988

**Rafałowicz, Ewaryst. Unbounded power input signals in optimum experiment design for parameter estimation in linear systems / International Journal of Control. 1984, vol. 40, nr 2, s. 383-391**

Title: System identification using chirp signals and time-variant filters in the joint time-frequency domain

Author(s): Xia, XG (Xia, XG)

Source: IEEE TRANSACTIONS ON SIGNAL PROCESSING Volume: 45 Issue: 8 Pages: 2072-2084 Published: AUG 1997 Accession Number: WOS:A1997XP52600014

**Rafałowicz, Ewaryst. Design of experiments for eigenvalue identification in distributed-parameter systems / International Journal of Control. 1981, vol. 34, nr 6, s. 1079-1094**

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Title: Optimal activation policies for continuous scanning observations in parameter estimation of distributed systems

Author(s): Patan, M (Patan, Maciej)

Source: INTERNATIONAL JOURNAL OF SYSTEMS SCIENCE Volume: 37 Issue: 11 Pages: 763-775 DOI:  
10.1080/00207720600825560 Published: SEP 15 2006

Title: Simultaneous estimation of heat transfer coefficient and thermal conductivity with application to microelectronic materials

Author(s): Zawada, T (Zawada, T)

Source: MICROELECTRONICS JOURNAL Volume: 37 Issue: 4 Pages: 340-352 DOI:  
10.1016/j.mejo.2005.04.052 Published: APR 2006

Title: Sensor network design for parameter estimation of distributed systems using nonsmooth optimality criteria

Author(s): Ucinski, D (Ucinski, Dariusz)

Source: 2005 44th IEEE Conference on Decision and Control & European Control Conference, Vols 1-8  
Book Series: IEEE CONFERENCE ON DECISION AND CONTROL - PROCEEDINGS Pages: 3152-3157  
Published: 2005

Title: Optimal mobile sensor motion planning under nonholonomic constraints for parameter estimation of distributed systems

Author(s): Song, Z (Song, Z); Chen, YQ (Chen, YQ); Liang, JS (Liang, JS); Ucinski, D (Ucinski, D)

Source: 2005 IEEE/RSJ International Conference on Intelligent Robots and Systems, Vols 1-4 Pages: 1505-1510 Published: 2005

Title: Optimal experiment design

Author(s): Emery, AF (Emery, AF); Nenarokomov, AV (Nenarokomov, AV)

Source: MEASUREMENT SCIENCE & TECHNOLOGY Volume: 9 Issue: 6 Pages: 864-876 DOI: 10.1088/0957-0233/9/6/003 Published: JUN 1998

Title: SENSOR PLACEMENT FOR ON-ORBIT MODAL IDENTIFICATION VIA A GENETIC ALGORITHM

Author(s): YAO, L (YAO, L); SETHARES, WA (SETHARES, WA); KAMMER, DC (KAMMER, DC)

Source: AIAA JOURNAL Volume: 31 Issue: 10 Pages: 1922-1928 DOI: 10.2514/3.11868 Published: OCT 1993

Title: PARAMETER-IDENTIFICATION OF 2-DIMENSIONAL DISTRIBUTED SYSTEMS

Author(s): UCINSKI, D (UCINSKI, D); KORBICZ, J (KORBICZ, J)

Source: INTERNATIONAL JOURNAL OF SYSTEMS SCIENCE Volume: 21 Issue: 12 Pages: 2441-2456 DOI: 10.1080/00207729008910563 Published: DEC 1990

Title: OPTIMUM EXPERIMENTAL-DESIGN FOR PARAMETER-IDENTIFICATION IN GROUNDWATER HYDROLOGY

Author(s): HSU, NS (HSU, NS); YEH, WWG (YEH, WWG)

Source: WATER RESOURCES RESEARCH Volume: 25 Issue: 5 Pages: 1025-1040 DOI: 10.1029/WR025i005p01025 Published: MAY 1989

Title: SIMULTANEOUS STATE AND PARAMETER-ESTIMATION AND LOCATION OF SENSORS FOR DISTRIBUTED SYSTEMS

Author(s): MALEBRANCHE, H (MALEBRANCHE, H)

Source: INTERNATIONAL JOURNAL OF SYSTEMS SCIENCE Volume: 19 Issue: 8 Pages: 1387-1405 DOI: 10.1080/00207728808964045 Published: AUG 1988

Title: SENSORS AND CONTROLLERS LOCATION IN DISTRIBUTED SYSTEMS - A SURVEY

Author(s): KUBRUSLY, CS (KUBRUSLY, CS); MALEBRANCHE, H (MALEBRANCHE, H)

Source: AUTOMATICA Volume: 21 Issue: 2 Pages: 117-128 DOI: 10.1016/0005-1098(85)90107-4  
Published: 1985

**Rafajłowicz, Ewaryst. Repeated least squares with inversion and its application in identifying linear distributed-parameter systems /International Journal of Systems Science. 2000, vol. 31, nr 8, s. 1003-1010**

Title: Simultaneous estimation of heat transfer coefficient and thermal conductivity with application to microelectronic materials

Author(s): Zawada, T (Zawada, T)

Source: MICROELECTRONICS JOURNAL Volume: 37 Issue: 4 Pages: 340-352 DOI:  
10.1016/j.mejo.2005.04.052 Published: APR 2006

**Rafajłowicz, Ewaryst. Non-parametric identification with errors in independent variables /International Journal of Systems Science. 1994, vol. 25, nr 11, s. 2031-2038**

Title: A censored sample mean approach to nonparametric identification of nonlinearities Wiener systems

Author(s): Mzyk, G (Mzyk, Grzegorz)

Source: IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS II-EXPRESS BRIEFS Volume: 54 Issue: 10  
Pages: 897-901 DOI: 10.1109/TCSII.2007.901634 Published: OCT 2007

**Rafajłowicz, Ewaryst. Optimal input signals for parameter estimation in linear distributed - parameter systems / International Journal of Systems Science. 1982, vol. 13, nr 7, s. 799, - 808**

Title: OPTIMUM EXPERIMENTAL-DESIGN FOR PARAMETER-IDENTIFICATION IN GROUNDWATER HYDROLOGY

Author(s): HSU, NS (HSU, NS); YEH, WWG (YEH, WWG)

Source: WATER RESOURCES RESEARCH Volume: 25 Issue: 5 Pages: 1025-1040 DOI:  
10.1029/WR025i005p01025 Published: MAY 1989

**Rafajłowicz, Ewaryst. Fast algorithm for generating Bernstein-Bezier polynomials / Journal of Computational and Applied Mathematics. 1994, vol. 51, s. 279-292,**

Title: Generalized neurofuzzy network modeling algorithms using Bezier-Bernstein polynomial functions and additive decomposition

Author(s): Hong, X (Hong, X); Harris, CJ (Harris, CJ)



Source: IEEE TRANSACTIONS ON NEURAL NETWORKS Volume: 11 Issue: 4 Pages: 889-902 DOI: 10.1109/72.857770 Published: JUL 2000

**Rafajłowicz, Ewaryst. Optimization of measurements for state estimation in parabolic distributed systems / Kybernetika. 1984, vol. 20, nr 4, s. 44-48**

Title: DISCRETE-SCANNING OBSERVATION PROBLEM FOR STOCHASTIC NONLINEAR DISCRETE-TIME DISTRIBUTED PARAMETER-SYSTEMS

Author(s): KORBICZ, J (KORBICZ, J)

Source: INTERNATIONAL JOURNAL OF SYSTEMS SCIENCE Volume: 22 Issue: 9 Pages: 1647-1662 DOI: 10.1080/00207729108910738 Published: SEP 1991

Title: SUBOPTIMAL SENSORS LOCATION IN THE STATE ESTIMATION PROBLEM FOR STOCHASTIC NON-LINEAR DISTRIBUTED PARAMETER-SYSTEMS

Author(s): KORBICZ, J (KORBICZ, J); ZGUROVSKY, MZ (ZGUROVSKY, MZ); NOVIKOV, AN (NOVIKOV, AN)

Source: INTERNATIONAL JOURNAL OF SYSTEMS SCIENCE Volume: 19 Issue: 9 Pages: 1871-1882 DOI: 10.1080/00207728808964082 Published: SEP 1988

**Rafajłowicz, Ewaryst. RBF nets in faults localization /Lecture Notes in Computer Science. Lecture Notes in Artificial Intelligence. 2006, vol. 4029, s. 113-122**

Title: RANDOM PROJECTION RBF NETS FOR MULTIDIMENSIONAL DENSITY ESTIMATION

Author(s): Skubalska-Rafajlowicz, E (Skubalska-Rafajlowicz, Ewa)

Source: INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS AND COMPUTER SCIENCE Volume: 18 Issue: 4 Pages: 455-464 DOI: 10.2478/v10006-008-0040-9 Published: DEC 2008

**Rafajłowicz, Ewaryst. Myszka, Wojciech. When product type experimental design is optimal? : Brief survey and new results / Metrika. 1992, vol. 39, s. 321-333**

Title: Design optimality in multi-factor generalized linear models in the presence of an unrestricted quantitative factor

Author(s): Grasshoff, U (Grasshoff, Ulrike); Grossmann, H (Grossmann, Heiko); Holling, H (Holling, Heinz); Schwabe, R (Schwabe, Rainer)

Source: JOURNAL OF STATISTICAL PLANNING AND INFERENCE Volume: 137 Issue: 12 Pages: 3882-3893 DOI: 10.1016/j.jspi.2007.04.007 Published: DEC 1 2007

Title: A note on D-optimal designs for models with and without an intercept

Author(s): Li, KH (Li, KH); Lau, TS (Lau, TS); Zhang, CQ (Zhang, CQ)

Source: STATISTICAL PAPERS Volume: 46 Issue: 3 Pages: 451-458 DOI: 10.1007/BF02762844  
Published: JUL 2005

Title: Optimal designs for main effects in linear paired comparison models

Author(s): Grasshoff, U (Grasshoff, U); Grossmann, H (Grossmann, H); Holling, H (Holling, H);  
Schwabe, R (Schwabe, R)

Source: JOURNAL OF STATISTICAL PLANNING AND INFERENCE Volume: 126 Issue: 1 Pages: 361-376  
DOI: 10.1016/j.jspi.2003.07.005 Published: NOV 1 2004

Title: Criterion-robust optimal designs for model discrimination and parameter estimation:  
Multivariate polynomial regression case

Author(s): Tsai, MH (Tsai, MH); Zen, MM (Zen, MM)

Source: STATISTICA SINICA Volume: 14 Issue: 2 Pages: 591-601 Published: APR 2004

Title: A new design criterion when heteroscedasticity is ignored

Author(s): Montepiedra, G (Montepiedra, G); Wong, WK (Wong, WK)

Source: ANNALS OF THE INSTITUTE OF STATISTICAL MATHEMATICS Volume: 53 Issue: 2 Pages: 418-  
426 DOI: 10.1023/A:1012435125788 Published: JUN 2001

Title: Efficient designs for paired comparisons with a polynomial factor

Author(s): Grossmann, H (Grossmann, H); Holling, H (Holling, H); Grasshoff, U (Grasshoff, U);  
Schwabe, R (Schwabe, R)

Editor(s): Atkinson A; Bogacka B; Zhigljavsky A

Source: OPTIMUM DESIGN 2000 Book Series: NONCONVEX OPTIMIZATION AND ITS APPLICATIONS  
Volume: 51 Pages: 45-56 Published: 2001

Title: Online calculation of efficient designs for multi-factor models

Author(s): Dette, H (Dette, H); Roeder, I (Roeder, I)

Source: BIOMETRICAL JOURNAL Volume: 42 Issue: 3 Pages: 349-362 DOI: 10.1002/1521-  
4036(200007)42:3<349::AID-BIMJ349>3.0.CO;2-N Published: 2000

Title: Efficiency bounds for product designs in linear models

Author(s): Schwabe, R (Schwabe, R); Wong, WK (Wong, WK)

Source: ANNALS OF THE INSTITUTE OF STATISTICAL MATHEMATICS Volume: 51 Issue: 4 Pages: 723-730 DOI: 10.1023/A:1004087314831 Published: DEC 1999

Title: Lattice-based D-optimum design for Fourier regression

Author(s): Riccomagno, E (Riccomagno, E); Schwabe, R (Schwabe, R); Wynn, HP (Wynn, HP)

Source: ANNALS OF STATISTICS Volume: 25 Issue: 6 Pages: 2313-2327 DOI: 10.1214/aos/1030741074 Published: DEC 1997

Title: Optimal discrimination designs for multifactor experiments

Author(s): Dette, H (Dette, H); Roder, I (Roder, I)

Source: ANNALS OF STATISTICS Volume: 25 Issue: 3 Pages: 1161-1175 Published: JUN 1997

Title: Optimal product designs for multivariate regression with missing terms

Author(s): Dette, H (Dette, H); Roder, I (Roder, I)

Source: SCANDINAVIAN JOURNAL OF STATISTICS Volume: 23 Issue: 2 Pages: 195-208 Published: JUN 1996

Title: Optimal designs for additive linear models

Author(s): Schwabe, R (Schwabe, R)

Source: STATISTICS Volume: 27 Issue: 3-4 Pages: 267-278 DOI: 10.1080/02331889708802531 Published: 1996

Title: D-OPTIMAL DESIGNS OF EXPERIMENTS WITH NONINTERACTING FACTORS

Author(s): SCHWABE, R (SCHWABE, R); WIERICH, W (WIERICH, W)

Source: JOURNAL OF STATISTICAL PLANNING AND INFERENCE Volume: 44 Issue: 3 Pages: 371-384 DOI: 10.1016/0378-3758(94)00052-W Published: APR 15 1995

Title: G-OPTIMAL DESIGNS FOR MULTIFACTOR EXPERIMENTS WITH HETEROSCEDASTIC ERRORS

Author(s): WONG, WK (WONG, WK)

Source: JOURNAL OF STATISTICAL PLANNING AND INFERENCE Volume: 40 Issue: 1 Pages: 127-133 DOI: 10.1016/0378-3758(94)90146-5 Published: JUN 1994

**Rafajłowicz, Ewaryst. Pawlak, Mirosław. On function recovery by neural networks based on orthogonal expansions / Nonlinear Analysis, Theory, Methods & Applications. 1997, vol. 30, nr 3, s. 1343-1354**

Title: TRAINING FOURIER SERIES NEURAL NETWORKS TO MAP CLOSED CURVES

Author(s): Halawa, K (Halawa, Krzysztof)

Editor(s): Dourado A; Rosa A; Madani K

Source: IJCCI 2009: PROCEEDINGS OF THE INTERNATIONAL JOINT CONFERENCE ON COMPUTATIONAL INTELLIGENCE Pages: 526-529 Published: 2009

Title: REGULARIZATION OF ORTHOGONAL NEURAL NETWORKS USING FRACTIONAL DERIVATIVES

Author(s): Halawa, K (Halawa, Krzysztof)

Editor(s): Tan T; Zhou M; Wang Y

Source: 2009 IEEE YOUTH CONFERENCE ON INFORMATION, COMPUTING AND TELECOMMUNICATION, PROCEEDINGS Pages: 74-77 DOI: 10.1109/YCICT.2009.5382425 Published: 2009

Title: Determining the weights of a Fourier series neural network on the basis of the multidimensional discrete Fourier transform

Author(s): Halawa, K (Halawa, Krzysztof)

Source: INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS AND COMPUTER SCIENCE Volume: 18 Issue: 3 Pages: 369-375 DOI: 10.2478/v10006-008-0033-8 Published: SEP 2008

Title: Optimization of learning process for Fourier series neural networks using gradient descent algorithm

Author(s): Halawa, K (Halawa, Krzysztof)

Source: PRZEGLAD ELEKTROTECHNICZNY Volume: 84 Issue: 6 Pages: 128-130 Published: 2008

Title: Fast and robust way of learning the Fourier series neural networks on the basis of multidimensional discrete Fourier transform

Author(s): Halawa, K (Halawa, Krzysztof)

Editor(s): Rutkowski L; Tadeusiewicz R; Zadeh LA; Zurada JM

Source: ARTIFICIAL INTELLIGENCE AND SOFT COMPUTING - ICAISC 2008, PROCEEDINGS Book Series: LECTURE NOTES IN ARTIFICIAL INTELLIGENCE Volume: 5097 Pages: 62-70 Published: 2008

**Rafajłowicz, Ewaryst. *Learning of context dependent neural nets / Neural networks and their applications. Proceedings of the fourth conference, Zakopane, 18-22 V 1999 / Eds L. Rutkowski, R. Tadeusiewicz. Częstochowa : Pol. Neural Netw. Soc., 1999. s. 551-556***

Title: Efficient learning of contextual mappings by context-dependent neural nets

Author(s): Ciskowski, P (Ciskowski, P)

Editor(s): Bubak M; VanAlbada GD; Sloot PMA; Dongarra JJ

Source: COMPUTATIONAL SCIENCE - ICCS 2004, PT 2, PROCEEDINGS Book Series: LECTURE NOTES IN COMPUTER SCIENCE Volume: 3037 Pages: 196-203 Published: 2004

Title: VC-dimension of a context-dependent Perceptron

Author(s): Ciskowski, P (Ciskowski, P)

Editor(s): Akman V; Bouquet P; Thomason R; Young RA

Source: MODELING AND USING CONTEXT, PROCEEDINGS Book Series: LECTURE NOTES IN ARTIFICIAL INTELLIGENCE Volume: 2116 Pages: 429-432 Published: 2001

**Rafajłowicz, Ewaryst. *Context dependent neural nets - examples / Neural networks and their applications. Proceedings of the fourth conference, Zakopane, 18-22 V 1999 / Eds L. Rutkowski, R. Tadeusiewicz. Częstochowa : Pol. Neural Netw. Soc., 1999. s. 557-562***

Title: Efficient learning of contextual mappings by context-dependent neural nets

Author(s): Ciskowski, P (Ciskowski, P)

Editor(s): Bubak M; VanAlbada GD; Sloot PMA; Dongarra JJ

Source: COMPUTATIONAL SCIENCE - ICCS 2004, PT 2, PROCEEDINGS Book Series: LECTURE NOTES IN COMPUTER SCIENCE Volume: 3037 Pages: 196-203 Published: 2004

Title: Contextual modeling using context-dependent feedforward neural nets

Author(s): Ciskowski, P (Ciskowski, P)

Editor(s): Blackburn P; Ghidini C; Turner RM; Giunchiglia F

Source: MODELING AND USING CONTEXT, PROCEEDINGS Book Series: LECTURE NOTES IN ARTIFICIAL INTELLIGENCE Volume: 2680 Pages: 435-442 Published: 2003

Title: VC-dimension of a context-dependent Perceptron

Author(s): Ciskowski, P (Ciskowski, P)

Editor(s): Akman V; Bouquet P; Thomason R; Young RA

Source: MODELING AND USING CONTEXT, PROCEEDINGS Book Series: LECTURE NOTES IN ARTIFICIAL INTELLIGENCE Volume: 2116 Pages: 429-432 Published: 2001

**Rafajłowicz, Ewaryst. Minimum cost experimental design with a prescribed information matrix /Teorija Veroatnostej i ee Primenenia. 1989, t. 34, s. 412-416,**

Title: Cost-penalized estimation and prediction evaluation for split-plot designs

Author(s): Liang, L (Liang, Li); Anderson-Cook, CM (Anderson-Cook, Christine M.); Robinson, TJ (Robinson, Timothy J.)

Source: QUALITY AND RELIABILITY ENGINEERING INTERNATIONAL Volume: 23 Issue: 5 Pages: 577-596 DOI: 10.1002/qre.835 Published: AUG 2007

Title: (D-t, C)-optimal run orders

Author(s): Tack, L (Tack, L); Vandebroek, M (Vandebroek, M)

Source: JOURNAL OF STATISTICAL PLANNING AND INFERENCE Volume: 98 Issue: 1-2 Pages: 293-310 DOI: 10.1016/S0378-3758(00)00299-8 Published: OCT 1 2001

Title: (D-T, C)-optimal run orders

Author(s): Tack, L (Tack, L); Vandebroek, M (Vandebroek, M)

Editor(s): Atkinson A; Bogacka B; Zhigljavsky A

Source: OPTIMUM DESIGN 2000 Book Series: NONCONVEX OPTIMIZATION AND ITS APPLICATIONS Volume: 51 Pages: 249-260 Published: 2001

**Rafajłowicz, Ewaryst. Schwabe, Rainer. Halton and Hammersley sequences in multivariate nonparametric regression / Statistics and Probability Letters. 2006, vol. 76, nr 8, s. 803-812,**

Title: Influence of the parallel nonlinearity on zonal flows and heat transport in global gyrokinetic particle-in-cell simulations

Author(s): Jolliet, S (Jolliet, S.); McMillan, BF (McMillan, B. F.); Vernay, T (Vernay, T.); Villard, L (Villard, L.); Hatzky, R (Hatzky, R.); Bottino, A (Bottino, A.); Angelino, P (Angelino, P.)

Source: PHYSICS OF PLASMAS Volume: 16 Issue: 7 Article Number: 072309 DOI: 10.1063/1.3174433 Published: JUL 2009

Title: Design and Analysis of Simulation Experiments

Author(s): Kleijnen, JPC (Kleijnen, JPC)

Source: DESIGN AND ANALYSIS OF SIMULATION EXPERIMENTS Book Series: International Series in Operations Research & Management Science Pages: 1-216 Published: 2008

**Rafajłowicz, Ewaryst. *Nonparametric orthogonal series estimators of regression: a class attaining the optimal convergence rate in L2 / Statistics and Probability Letters. 1987, vol. 5, nr 3, s. 219-224***

Title: Nonparametric System Identification

Author(s): Greblicki, W (Greblicki, W); Pawlak, M (Pawlak, M)

Source: NONPARAMETRIC SYSTEM IDENTIFICATION Pages: 1-390 DOI: 10.1017/CBO9780511536687 Published: 2008

Title: Identification of non-linear characteristics of a class of block-oriented non-linear systems via Daubechies wavelet-based models

Author(s): Hasiewicz, Z (Hasiewicz, Z); Sliwinski, P (Sliwinski, P)

Source: INTERNATIONAL JOURNAL OF SYSTEMS SCIENCE Volume: 33 Issue: 14 Pages: 1121-1144 DOI: 10.1080/0020772021000064171 Published: NOV 15 2002

Title: Minimax regret analysis of orthogonal series regression estimation: Selection versus shrinkage

Author(s): Droge, B (Droge, B)

Source: BIOMETRIKA Volume: 85 Issue: 3 Pages: 631-643 DOI: 10.1093/biomet/85.3.631 Published: SEP 1998

Title: NONPARAMETRIC IDENTIFICATION OF WIENER SYSTEMS BY ORTHOGONAL SERIES

Author(s): GREBLICKI, W (GREBLICKI, W)

Source: IEEE TRANSACTIONS ON AUTOMATIC CONTROL Volume: 39 Issue: 10 Pages: 2077-2086 DOI: 10.1109/9.328819 Published: OCT 1994

Title: DYNAMIC SYSTEM-IDENTIFICATION WITH ORDER-STATISTICS

Author(s): GREBLICKI, W (GREBLICKI, W); PAWLAK, M (PAWLAK, M)

Source: IEEE TRANSACTIONS ON INFORMATION THEORY Volume: 40 Issue: 5 Pages: 1474-1489 DOI: 10.1109/18.333862 Published: SEP 1994

Title: SMOOTHING NOISY DATA WITH COIFLETS

Author(s): ANTONIADIS, A (ANTONIADIS, A)

Source: STATISTICA SINICA Volume: 4 Issue: 2 Pages: 651-678 Published: JUL 1994

Title: FIXED DESIGN REGRESSION FOR TIME-SERIES - ASYMPTOTIC NORMALITY

Author(s): ROUSSAS, GG (ROUSSAS, GG); TRAN, LT (TRAN, LT); IOANNIDES, DA (IOANNIDES, DA)

Source: JOURNAL OF MULTIVARIATE ANALYSIS Volume: 40 Issue: 2 Pages: 262-291 DOI: 10.1016/0047-259X(92)90026-C Published: FEB 1992

Title: ULTRASPHERICAL POLYNOMIAL, KERNEL AND HYBRID ESTIMATORS FOR NONPARAMETRIC REGRESSION

Author(s): AZARI, AS (AZARI, AS); MACK, YP (MACK, YP); MULLER, HG (MULLER, HG)

Source: SANKHYA-THE INDIAN JOURNAL OF STATISTICS SERIES A Volume: 54 Pages: 80-96 Part: Part 1 Published: FEB 1992

Title: CONVERGENCE-RATES FOR TRIGONOMETRIC AND POLYNOMIAL-TRIGONOMETRIC REGRESSION-ESTIMATORS

Author(s): EUBANK, RL (EUBANK, RL); SPECKMAN, P (SPECKMAN, P)

Source: STATISTICS & PROBABILITY LETTERS Volume: 11 Issue: 2 Pages: 119-124 DOI: 10.1016/0167-7152(91)90128-E Published: FEB 1991

Title: CURVE FITTING BY POLYNOMIAL-TRIGONOMETRIC REGRESSION

Author(s): EUBANK, RL (EUBANK, RL); SPECKMAN, P (SPECKMAN, P)

Source: BIOMETRIKA Volume: 77 Issue: 1 Pages: 1-9 Published: MAR 1990

Title: TRIGONOMETRIC SERIES REGRESSION-ESTIMATORS WITH AN APPLICATION TO PARTIALLY LINEAR-MODELS

Author(s): EUBANK, RL (EUBANK, RL); HART, JD (HART, JD); SPECKMAN, P (SPECKMAN, P)

Source: JOURNAL OF MULTIVARIATE ANALYSIS Volume: 32 Issue: 1 Pages: 70-83 DOI: 10.1016/0047-259X(90)90072-P Published: JAN 1990

Title: CONSISTENT NONPARAMETRIC MULTIPLE-REGRESSION - THE FIXED DESIGN CASE

Author(s): GEORGIEV, AA (GEORGIEV, AA)

Source: JOURNAL OF MULTIVARIATE ANALYSIS Volume: 25 Issue: 1 Pages: 100-110 DOI: 10.1016/0047-259X(88)90155-8 Published: APR 1988



**Rafałłowicz, Ewaryst. Schwabe, Rainer. *Equidistributed designs in nonparametric regression /Statistica Sinica. 2003, vol. 13, nr 1, s. 129-142***

Title: Nonparametric System Identification

Author(s): Greblicki, W (Greblicki, W); Pawlak, M (Pawlak, M)

Source: NONPARAMETRIC SYSTEM IDENTIFICATION Pages: 1-390 DOI: 10.1017/CBO9780511536687  
Published: 2008

Title: Global optimization with multivariate adaptive regression splines

Author(s): Crino, S (Crino, Scott); Brown, DE (Brown, Donald E.)

Source: IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART B-CYBERNETICS Volume: 37  
Issue: 2 Pages: 333-340 DOI: 10.1109/TSMCB.2006.883430 Published: APR 2007

Title: A system for LEASE: Location Estimation Assisted by Stationary Emitters for Indoor RF Wireless Networks

Author(s): Krishnan, P (Krishnan, P); Krishnakumar, AS (Krishnakumar, AS); Ju, WH (Ju, WH); Mallows, C (Mallows, C); Ganu, S (Ganu, S)

Source: IEEE INFOCOM 2004: THE CONFERENCE ON COMPUTER COMMUNICATIONS, VOLS 1-4, PROCEEDINGS Book Series: IEEE INFOCOM SERIES Pages: 1001-1011 Published: 2004

**Rafałłowicz, Ewaryst. *Nonparametric least squares estimation of a regression function /Statistics. 1988, vol. 19, nr 3, s. 349-358***

Title: Nonparametric System Identification

Author(s): Greblicki, W (Greblicki, W); Pawlak, M (Pawlak, M)

Source: NONPARAMETRIC SYSTEM IDENTIFICATION Pages: 1-390 DOI: 10.1017/CBO9780511536687  
Published: 2008

Title: MULTIPLE FOURIER-SERIES PROCEDURES FOR EXTRACTION OF NONLINEAR REGRESSIONS FROM NOISY DATA

Author(s): RUTKOWSKI, L (RUTKOWSKI, L)

Source: IEEE TRANSACTIONS ON SIGNAL PROCESSING Volume: 41 Issue: 10 Pages: 3062-3065 DOI: 10.1109/78.277809 Published: OCT 1993

Title: IDENTIFICATION OF MISO NONLINEAR REGRESSIONS IN THE PRESENCE OF A WIDE CLASS OF DISTURBANCES

Author(s): RUTKOWSKI, L (RUTKOWSKI, L)

Source: IEEE TRANSACTIONS ON INFORMATION THEORY Volume: 37 Issue: 1 Pages: 214-216 DOI: 10.1109/18.61144 Published: JAN 1991

Title: NONPARAMETRIC MULTIPLE FUNCTION FITTING

Author(s): GEORGIEV, AA (GEORGIEV, AA)

Source: STATISTICS & PROBABILITY LETTERS Volume: 10 Issue: 3 Pages: 203-211 DOI: 10.1016/0167-7152(90)90074-H Published: AUG 1990

Title: CONSISTENT NONPARAMETRIC MULTIPLE-REGRESSION - THE FIXED DESIGN CASE

Author(s): GEORGIEV, AA (GEORGIEV, AA)

Source: JOURNAL OF MULTIVARIATE ANALYSIS Volume: 25 Issue: 1 Pages: 100-110 DOI: 10.1016/0047-259X(88)90155-8 Published: APR 1988

**Rafajłowicz, Ewaryst. *Nonparametric algorithm for identification of weakly nonlinear distributed-parameter systems / Systems & Control Letters. 1984, vol. 4, nr 2, s. 91-96***

Title: IDENTIFICATION OF LUMPED LINEAR-SYSTEMS VIA NONPARAMETRIC STATISTICAL TECHNIQUES

Author(s): GEORGIEV, AA (GEORGIEV, AA)

Source: CONTROL-THEORY AND ADVANCED TECHNOLOGY Volume: 7 Issue: 3 Pages: 503-517 Published: SEP 1991

Title: ON THE IDENTIFICATION OF TIME-VARYING DYNAMIC-SYSTEMS BY NONPARAMETRIC PROCEDURES

Author(s): GEORGIEV, AA (GEORGIEV, AA)

Source: IEEE TRANSACTIONS ON AUTOMATIC CONTROL Volume: 34 Issue: 2 Pages: 223-225 DOI: 10.1109/9.21106 Published: FEB 1989

Title: A GENERAL-APPROACH FOR NONPARAMETRIC FITTING OF FUNCTIONS AND THEIR DERIVATIVES WITH APPLICATIONS TO LINEAR CIRCUITS IDENTIFICATION

Author(s): RUTKOWSKI, L (RUTKOWSKI, L)

Source: IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS Volume: 33 Issue: 8 Pages: 812-818 DOI: 10.1109/TCS.1986.1086001 Published: AUG 1986

Title: THE STRONG POINTWISE CONVERGENCE OF NEAREST NEIGHBOR FUNCTION FITTING ALGORITHM WITH APPLICATIONS TO SYSTEM-IDENTIFICATION

Author(s): GEORGIEV, AA (GEORGIEV, AA)

Source: KYBERNETIKA Volume: 21 Issue: 2 Pages: 118-122 Published: 1985

Title: ON THE RECOVERY OF FUNCTIONS AND THEIR DERIVATIVES FROM IMPERFECT MEASUREMENTS

Author(s): GEORGIEV, AA (GEORGIEV, AA)

Source: IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS Volume: 14 Issue: 6 Pages: 900-903 Published: 1984

**Rafajłowicz, Ewaryst. Decomposition of the leastsquares identification algorithm on the basis of two-stage experiment / Systems Science. 1981, vol. 7, nr 1, s. 105-109**

Title: ON THE EQUIVALENCE CONDITIONS OF 2-STAGE AND DIRECT IDENTIFICATION METHODS

Author(s): STANKIEWICZ, A (STANKIEWICZ, A)

Source: KYBERNETIKA Volume: 21 Issue: 1 Pages: 41-60 Published: 1985

**Rafajłowicz, Ewaryst. Design of experiments for parameter identification of the static distributed systems / Systems Science. 1978, vol. 4, nr 4, s. 349-361**

Title: Optimal Observation for Cyber-physical Systems: A Fisher-information-matrix-based Approach

Author(s): Song, Z (Song, Z); Chen, YQ (Chen, YQ); Sastry, CR (Sastry, CR); Tas, NC (Tas, NC)

Source: OPTIMAL OBSERVATION FOR CYBER-PHYSICAL SYSTEMS: A FISHER-INFORMATION-MATRIX-BASED APPROACH Pages: 1-171 DOI: 10.1007/978-1-84882-656-4 Published: 2009

Title: Simultaneous estimation of heat transfer coefficient and thermal conductivity with application to microelectronic materials

Author(s): Zawada, T (Zawada, T)

Source: MICROELECTRONICS JOURNAL Volume: 37 Issue: 4 Pages: 340-352 DOI: 10.1016/j.mejo.2005.04.052 Published: APR 2006

Title: Optimal mobile sensor motion planning under nonholonomic constraints for parameter estimation of distributed systems

Author(s): Song, Z (Song, Z); Chen, YQ (Chen, YQ); Liang, JS (Liang, JS); Ucinski, D (Ucinski, D)

Source: 2005 IEEE/RSJ International Conference on Intelligent Robots and Systems, Vols 1-4 Pages: 1505-1510 Published: 2005

Title: Optimal location of sensors for parameter estimation of static distributed systems

Author(s): Patan, M (Patan, M); Ucinski, D (Ucinski, D)

Editor(s): Wyrzykowski R; Dongarra J; Paprzycki M; Wasniewski J

Source: PARALLEL PROCESSING APPLIED MATHEMATICS Book Series: LECTURE NOTES IN COMPUTER SCIENCE Volume: 2328 Pages: 729-737 Published: 2002

Title: SIMULTANEOUS STATE AND PARAMETER-ESTIMATION AND LOCATION OF SENSORS FOR DISTRIBUTED SYSTEMS

Author(s): MALEBRANCHE, H (MALEBRANCHE, H)

Source: INTERNATIONAL JOURNAL OF SYSTEMS SCIENCE Volume: 19 Issue: 8 Pages: 1387-1405 DOI: 10.1080/00207728808964045 Published: AUG 1988

***Rafajłowicz, Ewaryst. Model free control charts for continuous time production processes / 1996***

Title: Nonparametric monitoring of financial time series by jump-preserving control charts

Author(s): Steland, A (Steland, A)

Source: STATISTICAL PAPERS Volume: 43 Issue: 3 Pages: 401-422 DOI: 10.1007/s00362-002-0112-0 Published: JUL 2002

***Ciskowski, Piotr. Rafajłowicz, Ewaryst. Context-dependent neural nets - structures and learning /IEEE Transactions on Neural Networks. 2004, vol. 15, nr 6, s. 1367-1377***

Title: Context dependent controller by overlapped neural networks for performance metrics revision

Author(s): Mohamed, A (Mohamed, Atef); Wei, RZ (Wei, Ruizhong)

Editor(s): Yao Y; Shi ZZ; Wang YX; Kinsner W

Source: Proceedings of the Fifth IEEE International Conference on Cognitive Informatics, Vols 1 and 2 Pages: 507-516 Published: 2006

**Gnot, Stanisław. Rafajłowicz, Ewaryst. Urbańska-Motyka, Agnieszka. Statistical inference in a linear model for spatially located sensors and random input / Annals of the Institute of Statistical Mathematics. 2001, vol. 53, nr 2, s. 370-379**

Title: On geometry of the set of admissible invariant quadratic estimators in balanced two variance components model

Author(s): Neumann, K (Neumann, K); Zontek, S (Zontek, S)

Source: STATISTICAL PAPERS Volume: 45 Issue: 1 Pages: 67-80 DOI: 10.1007/BF02778270

Published: JAN 2004

**Kallenberg, Wilbert. Ledwina, Teresa. Rafajłowicz, Ewaryst. Testing bivariate independence and normality / Sankhya. Series A. 1997, vol. 59, pt. 1, s. 42-59**

Title: A treatment of multivariate skewness, kurtosis, and related statistics

Author(s): Klar, B (Klar, B)

Source: JOURNAL OF MULTIVARIATE ANALYSIS Volume: 83 Issue: 1 Pages: 141-165 DOI: 10.1006/jmva.2001.2041 Published: OCT 2002

Title: Diagnostic smooth tests of fit

Author(s): Klar, B (Klar, B)

Source: METRIKA Volume: 52 Issue: 3 Pages: 237-252 DOI: 10.1007/PL00003984 Published: 2000

Title: Data driven smooth tests for bivariate normality

Author(s): Bogdan, M (Bogdan, M)

Source: JOURNAL OF MULTIVARIATE ANALYSIS Volume: 68 Issue: 1 Pages: 26-53 DOI: 10.1006/jmva.1998.1779 Published: JAN 1999

**Krzyżak, Adam. Rafajłowicz, Ewaryst. Aproksymacja funkcji przy pomocy jednokierunkowych sieci neuronowych / Biocybernetyka i inżynieria biomedyczna 2000. Pod red. Macieja Nałęczca. T. 6. Sieci neuronowe. Red. Włodzisław Duch [ i in.]. Warszawa : "Exit", 2000. s. 371-388**

Title: Neural modeling of relative air humidity

Author(s): Białobrzewski, I (Białobrzewski, I.)

Source: COMPUTERS AND ELECTRONICS IN AGRICULTURE Volume: 60 Issue: 1 Pages: 1-7 DOI: 10.1016/j.compag.2007.02.009 Published: JAN 2008

**Krzyżak, Adam. Rafajłowicz, Ewaryst. Pawlak, Mirosław. Moving average restoration of bandlimited signals from noisy observations / IEEE Transactions on Signal Processing. 1997, vol. 45, nr 12, s. 2967-2976**

Title: Mean-squared error, sampling, and reconstruction in the presence of noise

Author(s): Eldar, YC (Eldar, Yonina C.)

Source: IEEE TRANSACTIONS ON SIGNAL PROCESSING Volume: 54 Issue: 12 Pages: 4619-4633 DOI: 10.1109/TSP.2006.881266 Published: DEC 2006

Title: Nonideal sampling and interpolation from noisy observations in shift-invariant spaces

Author(s): Eldar, YC (Eldar, YC); Unser, M (Unser, M)

Source: IEEE TRANSACTIONS ON SIGNAL PROCESSING Volume: 54 Issue: 7 Pages: 2636-2651 DOI: 10.1109/TSP.2006.873365 Published: JUL 2006

Title: Re-calibrating TsuBiMo with eddy-covariance measurements at Takayama

Author(s): Alexandrov, GA (Alexandrov, GA); Yamagata, Y (Yamagata, Y); Saigusa, N (Saigusa, N); Oikawa, T (Oikawa, T)

Source: AGRICULTURAL AND FOREST METEOROLOGY Volume: 134 Issue: 1-4 Pages: 135-142 DOI: 10.1016/j.agrformet.2005.08.012 Published: NOV 30 2005

Title: Minimax subspace sampling in the presence of noise

Author(s): Eldar, YC (Eldar, YC)

Source: 2005 IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH, AND SIGNAL PROCESSING, VOLS 1-5: SPEECH PROCESSING Book Series: International Conference on Acoustics Speech and Signal Processing ICASSP Pages: 193-196 Published: 2005

Title: Spatial system identification of a simply supported beam and a trapezoidal cantilever plate

Author(s): Fleming, AJ (Fleming, AJ); Moheimani, SOR (Moheimani, SOR)

Source: IEEE TRANSACTIONS ON CONTROL SYSTEMS TECHNOLOGY Volume: 11 Issue: 5 Pages: 726-736 DOI: 10.1109/TCST.2003.816415 Published: SEP 2003

Title: Precision speed control of PMSM for stimulation of the vestibular system using rotatory chair

Author(s): Ko, JS (Ko, JS); Lee, TH (Lee, TH); Kim, KG (Kim, KG); Kim, ID (Kim, ID)

Source: MECHATRONICS Volume: 13 Issue: 5 Pages: 465-475 DOI: 10.1016/S0957-4158(01)00086-1  
Published: JUN 2003

**Krzyżak, Adam. Rafajłowicz, Ewaryst. Skubalska-Rafajłowicz, Ewa. Clipped median and space-filling curves in image filtering / Nonlinear Analysis, Theory, Methods & Applications. Series A, Theory and Methods. 2001, vol. 47, nr 1, s. 303-314,**

Title: Scanning and Sequential Decision Making for Multidimensional Data-Part II: The Noisy Case

Author(s): Cohen, A (Cohen, Asaf); Weissman, T (Weissman, Tsachy); Merhav, N (Merhav, Neri)

Source: IEEE TRANSACTIONS ON INFORMATION THEORY Volume: 54 Issue: 12 Pages: 5609-5631  
DOI: 10.1109/TIT.2008.2006378 Published: DEC 2008

Title: Scanning and sequential decision making for multidimensional data - Part I : The noiseless case

Author(s): Cohen, A (Cohen, Asaf); Merhav, N (Merhav, Neri); Weissman, T (Weissman, Tsachy)

Source: IEEE TRANSACTIONS ON INFORMATION THEORY Volume: 53 Issue: 9 Pages: 3001-3020  
DOI: 10.1109/TIT.2007.903117 Published: SEP 2007

**Bartkowiak, Anna. Kasprzak, Bogdan. Kasprzak, Waclaw. Myska, Wojciech. Popkiewicz, Maciej. Rafajłowicz, Ewaryst. Sielicki, Adam. Szata, Mieczyslaw. Zaleski, Janusz. Zarzycki, Jan. Zmyslony, Roman. Zontek, Stefan. Komputerowy system obsługi eksperymentu : Praca zbiorowa 1991 /**

Title: Modelling and measurement of textile objects for experiment design

Author(s): Gniotek, K (Gniotek, K)

Source: FIBRES & TEXTILES IN EASTERN EUROPE Volume: 10 Issue: 2 Pages: 54-59 Published: APR-JUN 2002

**Pawlak, Mirosław. Rafajłowicz, Ewaryst. Vertically weighted regression - a tool for constructing control charts / Allgemeines Statistisches Archiv. 2000, vol. 84, nr 4, s. 367-388**

Title: On the distribution of the clipping median under a mixture model

Author(s): Steland, A (Steland, A)

Source: STATISTICS & PROBABILITY LETTERS Volume: 71 Issue: 1 Pages: 1-13 DOI: 10.1016/j.spl.2004.10.016 Published: JAN 1 2005

Title: Random walks with drift - A sequential approach

Author(s): Steland, A (Steland, A)

Source: JOURNAL OF TIME SERIES ANALYSIS Volume: 26 Issue: 6 Pages: 917-942 DOI: 10.1111/j.1467-9892.2005.00450.x Published: NOV 2005

Title: Optimal sequential kernel detection for dependent processes

Author(s): Steland, A (Steland, A)

Source: JOURNAL OF STATISTICAL PLANNING AND INFERENCE Volume: 132 Issue: 1-2 Pages: 131-147 DOI: 10.1016/j.jspi.2004.06.019 Published: JUN 1 2005

Title: Nonparametric monitoring of financial time series by jump-preserving control charts

Author(s): Steland, A (Steland, A)

Source: STATISTICAL PAPERS Volume: 43 Issue: 3 Pages: 401-422 DOI: 10.1007/s00362-002-0112-0 Published: JUL 2002

***Pawlak, Mirosław. Rafajłowicz, Ewaryst. Krzyżak, Adam. Postfiltering versus prefiltering for signal recovery from noisy samples / IEEE Transactions on Information Theory. 2003, vol. 49, nr 12, s. 3195-3212***

Title: Error analysis of frame, reconstruction from noisy samples

Author(s): Aldroubi, A (Aldroubi, Akram); Leonetti, C (Leonetti, Casey); Sun, QY (Sun, Qiyu)

Source: IEEE TRANSACTIONS ON SIGNAL PROCESSING Volume: 56 Issue: 6 Pages: 2311-2325 DOI: 10.1109/TSP.2007.913138 Published: JUN 2008

Title: Image processing with JPEG2000 coders

Author(s): Sliwinski, P (Sliwinski, Przemyslaw); Smutnicki, C (Smutnicki, Czeslaw); Chorazyczewski, A (Chorazyczewski, Artur)

Editor(s): Schelkens P; Ebrahimi T; Cristobal G; Truchetet F

Source: OPTICAL AND DIGITAL IMAGE PROCESSING Book Series: Proceedings of SPIE Volume: 7000 Article Number: 70001G DOI: 10.1117/12.781516 Published: 2008

Title: Evaluation of Several Reconstruction Methods of Bandlimited Signals

Author(s): Ahmad, BI (Ahmad, B. I.); Tarczynski, A (Tarczynski, A.)



Source: SCS: 2008 2ND INTERNATIONAL CONFERENCE ON SIGNALS, CIRCUITS AND SYSTEMS Pages: 41-45 Published: 2008

Title: Mean-squared error, sampling, and reconstruction in the presence of noise

Author(s): Eldar, YC (Eldar, Yonina C.)

Source: IEEE TRANSACTIONS ON SIGNAL PROCESSING Volume: 54 Issue: 12 Pages: 4619-4633 DOI: 10.1109/TSP.2006.881266 Published: DEC 2006

Title: Nonideal sampling and interpolation from noisy observations in shift-invariant spaces

Author(s): Eldar, YC (Eldar, YC); Unser, M (Unser, M)

Source: IEEE TRANSACTIONS ON SIGNAL PROCESSING Volume: 54 Issue: 7 Pages: 2636-2651 DOI: 10.1109/TSP.2006.873365 Published: JUL 2006

Title: Testing, parametric assumptions on band- or time-limited signals under noise

Author(s): Bissantz, N (Bissantz, N); Holzmänn, H (Holzmänn, H); Munk, A (Munk, A)

Source: IEEE TRANSACTIONS ON INFORMATION THEORY Volume: 51 Issue: 11 Pages: 3796-3805 DOI: 10.1109/TIT.2005.856957 Published: NOV 2005

Title: Minimax subspace sampling in the presence of noise

Author(s): Eldar, YC (Eldar, YC)

Source: 2005 IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH, AND SIGNAL PROCESSING, VOLS 1-5: SPEECH PROCESSING Book Series: International Conference on Acoustics Speech and Signal Processing ICASSP Pages: 193-196 Published: 2005

Pawlak, Mirosław. Rafajłowicz, Ewaryst. On restoring band-limited signals / IEEE ***Transactions on Information Theory***. 1994, vol. 40, nr 5, s. 1490-1503

Title: Error analysis of frame, reconstruction from noisy samples

Author(s): Aldroubi, A (Aldroubi, Akram); Leonetti, C (Leonetti, Casey); Sun, QY (Sun, Qiyu)

Source: IEEE TRANSACTIONS ON SIGNAL PROCESSING Volume: 56 Issue: 6 Pages: 2311-2325 DOI: 10.1109/TSP.2007.913138 Published: JUN 2008

Title: Evaluation of Several Reconstruction Methods of Bandlimited Signals

Author(s): Ahmad, BI (Ahmad, B. I.); Tarczynski, A (Tarczynski, A.)

Source: SCS: 2008 2ND INTERNATIONAL CONFERENCE ON SIGNALS, CIRCUITS AND SYSTEMS Pages: 41-45 Published: 2008

Title: Random series in  $L-P(X, \Sigma, \mu)$  using unconditional basic sequences: A result on almost sure almost everywhere convergence

Author(s): Medina, JM (Miguel Medina, Juan); Frias, BC (Cernuschi Frias, Bruno)

Source: 2006 IEEE Information Theory Workshop Pages: 342-344 DOI: 10.1109/ITW.2006.1633842 Published: 2006

Title: Spatial system identification of a simply supported beam and a trapezoidal cantilever plate

Author(s): Fleming, AJ (Fleming, AJ); Moheimani, SOR (Moheimani, SOR)

Source: IEEE TRANSACTIONS ON CONTROL SYSTEMS TECHNOLOGY Volume: 11 Issue: 5 Pages: 726-736 DOI: 10.1109/TCST.2003.816415 Published: SEP 2003

***Pawlak, Mirosław. Rafajłowicz, Ewaryst. Jump preserving signal reconstruction using vertical weighting / Nonlinear Analysis, Theory, Methods & Applications. Series A, Theory and Methods. 2001, vol. 47, nr 1, s. 327-338***

Title: Random walks with drift - A sequential approach

Author(s): Steland, A (Steland, A)

Source: JOURNAL OF TIME SERIES ANALYSIS Volume: 26 Issue: 6 Pages: 917-942 DOI: 10.1111/j.1467-9892.2005.00450.x Published: NOV 2005

Title: Optimal sequential kernel detection for dependent processes

Author(s): Steland, A (Steland, A)

Source: JOURNAL OF STATISTICAL PLANNING AND INFERENCE Volume: 132 Issue: 1-2 Pages: 131-147 DOI: 10.1016/j.jspi.2004.06.019 Published: JUN 1 2005

Title: On the distribution of the clipping median under a mixture model

Author(s): Steland, A (Steland, A)

Source: STATISTICS & PROBABILITY LETTERS Volume: 71 Issue: 1 Pages: 1-13 DOI: 10.1016/j.spl.2004.10.016 Published: JAN 1 2005

**Pawlak, Mirosław. Rafajłowicz, Ewaryst. Slowly expanding orthogonal neural net for uniformly distributed input patterns : Pt. 1 - Problem statement and net structure / Neural networks and their applications. Proceedings of the second conference, Szczyrk, 30 IV - 4 V 1996. Vol. 2. Częstochowa : Wydaw. PCzest., 1996. s. 365-370**

Title: Wavelet network estimating regression function

Author(s): Sliwinski, P (Sliwinski, P)

Editor(s): Rutkowski L; Kacprzyk J

Source: NEURAL NETWORKS AND SOFT COMPUTING Book Series: ADVANCES IN SOFT COMPUTING  
Pages: 722-727 Published: 2003

**PAWLAK M UNPUB NONPARAMETRIC Raporty Inst. Cybern. PWr. 1983 Ser. PRE nr 47**

**Pawlak, Mirosław. Rafajłowicz, Ewaryst. Nonparametric recovery of a function derivative from point noisy measurements using orthogonal series /**

Title: A GENERAL-APPROACH FOR NONPARAMETRIC FITTING OF FUNCTIONS AND THEIR DERIVATIVES WITH APPLICATIONS TO LINEAR CIRCUITS IDENTIFICATION

Author(s): RUTKOWSKI, L (RUTKOWSKI, L)

Source: IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS Volume: 33 Issue: 8 Pages: 812-818 DOI: 10.1109/TCS.1986.1086001 Published: AUG 1986

**Rutkowski, Leszek. Rafajłowicz, Ewaryst. On optimal global rate of convergence of some nonparametric identification procedures / IEEE Transactions on Automatic Control. 1989, vol. 34, nr 10, s. 1089-1091,**

Title: Nonparametric System Identification

Author(s): Greblicki, W (Greblicki, W); Pawlak, M (Pawlak, M)

Source: NONPARAMETRIC SYSTEM IDENTIFICATION Pages: 1-390 DOI: 10.1017/CBO9780511536687  
Published: 2008

Title: Image compression based on soft computing techniques

Author(s): Cierniak, R (Cierniak, R)

Editor(s): Wyrzykowski R; Dongarra J; Paprzycki M; Wasniewski J

Source: PARALLEL PROCESSING AND APPLIED MATHEMATICS Book Series: LECTURE NOTES IN COMPUTER SCIENCE Volume: 3019 Pages: 609-617 Published: 2003

Title: A flexible Connectionist fuzzy system

Author(s): Cpalka, K (Cpalka, K)

Editor(s): Wyrzykowski R; Dongarra J; Paprzycki M; Wasniewski J

Source: PARALLEL PROCESSING AND APPLIED MATHEMATICS Book Series: Lecture Notes in Computer Science Volume: 3019 Pages: 618-625 Published: 2003

Title: Neuro-fuzzy versus non-parametric approach to system modeling and classification

Author(s): Nowicki, R (Nowicki, R)

Editor(s): Wyrzykowski R; Dongarra J; Paprzycki M; Wasniewski J

Source: PARALLEL PROCESSING AND APPLIED MATHEMATICS Book Series: Lecture Notes in Computer Science Volume: 3019 Pages: 632-640 Published: 2003

Title: New methods for uncertainty representations in neuro-fuzzy systems

Author(s): Scherer, R (Scherer, R); Starczewski, J (Starczewski, J); Gaweda, A (Gaweda, A)

Editor(s): Wyrzykowski R; Dongarra J; Paprzycki M; Wasniewski J

Source: PARALLEL PROCESSING AND APPLIED MATHEMATICS Book Series: Lecture Notes in Computer Science Volume: 3019 Pages: 659-667 Published: 2003

Title: Nonlinear system identification by the Haar multiresolution analysis

Author(s): Pawlak, M (Pawlak, M); Hasiewicz, Z (Hasiewicz, Z)

Source: IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS I-REGULAR PAPERS Volume: 45 Issue: 9 Pages: 945-961 DOI: 10.1109/81.721260 Published: SEP 1998

Title: Recovering band-limited signals under noise

Author(s): Pawlak, M (Pawlak, M); Stadtmuller, U (Stadtmuller, U)

Source: IEEE TRANSACTIONS ON INFORMATION THEORY Volume: 42 Issue: 5 Pages: 1425-1438 DOI: 10.1109/18.532883 Published: SEP 1996

Title: NONPARAMETRIC-ESTIMATION OF A REGRESSION FUNCTION BY DELTA SEQUENCES

Author(s): ISOGAI, E (ISOGAI, E)

Source: ANNALS OF THE INSTITUTE OF STATISTICAL MATHEMATICS Volume: 42 Issue: 4 Pages: 699-708 DOI: 10.1007/BF02481145 Published: DEC 1990

