

ЦИТИРАНИЯ
на научните публикации
на доц. д-р Нели Стоянова Димитрова

Статията

S. Markov, N. Dimitrova: Rechengesetze der erweiterten Intervallararithmetik. Freiburger Intervall-Berichte 79/10, Univ. Freiburg, Germany, 1979, 1–20

цитирана в монографията

1. Ю. Шокин: Интервальный анализ. Наука, Сибирское отделение, Новосибирск, 1981.

Статията

N. Dimitrova: Über die Distributivgesetze der erweiterten Intervallararithmetik. Computing 24, 1980, 33–49

цитирана в

2. А. С. Калмыков, Ю. И. Шокин, З. Х. Юлдашев: Методы интервального анализа. Наука, Сибирское отделение, Новосибирск, 1986.
3. S. M. Markov: Extended interval arithmetic involving infinite intervals. Mathematica Balkanica, New Series, 6, 3, 1992, 269–304
4. S. M. Markov: On the Presentation of Ranges of Monotone Functions Using Interval Arithmetic. Interval Computations, No 4(6), 1992, 19–31
5. S. Markov: On Directed Interval Arithmetic and its Applications. J. UCS, 1, 7, 1995, 514–526
6. S. Markov: On two interval-algebraic structures. Ann. Univ. De Sofia, Fac. Math. Inform., 89, livre 1 (Mathematics), 1995, 129–164 (in Bulgarian)

Статията

N. Dimitrova, S. M. Markov: Distributive Laws in the Extended Interval Arithmetic. Ann. Univ. Sofia, Math. Fac., 71, Part I, 1976/77, 169–185 (in Bulgarian)

цитирана в монографията

7. А. С. Калмыков, Ю. И. Шокин, З. Х. Юлдашев: Методы интервального анализа. Наука, Сибирское отделение, Новосибирск, 1986.

Статията

N. Dimitrova, S. M. Markov: Interval Methods of Newton Type for Nonlinear Equations. Pliska stud. math. bulg. 5, 1983, 105–117.

цитирана в монографията

8. А. С. Калмыков, Ю. И. Шокин, З. Х. Юлдашев: Методы интервального анализа. Наука, Сибирское отделение, Новосибирск, 1986.

Статьята

N. Dimitrova, S. Markov: Über die intervallararithmetische Berechnung des Wertebereichs einer Funktion mit Anwendungen. Freiburger Intervall-Berichte 81/4, Univ. Freiburg, Germany, 1981, 1–22

цитирана в

9. K. Nickel: Optimization Using Interval Mathematics. Freiburger Intervall-Berichte 86/7, Univ. Freiburg, Germany, 1986, 55–83.
10. V. M. Nesterov: How to use monotonicity-type information to get better estimates of the range of real-valued functions. Interval Computations 4, 1993, 3–12.
11. F. Domes, A. Neumaier: Constant propagation on quadratic constraints. Constraints, vol. 15, 2010, 404–429. DOI 10.1007/s10601-009-9076-1. Print ISSN 1383-7133, Online ISSN 1572-9354

Статьята

N. Dimitrova, S. Markov: On the Interval-arithmetic Presentation of the Range of a Class of Monotone Functions of Many Variables. In: Computer Arithmetic, Scientific Computation and Mathematical Modelling, E. Kaucher, S. M. Markov, G. Mayer (eds.), vol. 12, J. C. Baltzer Publ. IMACS, 1991, 213–228

цитирана в

12. E. V. Levner, A. S. Ptuskin: A Fuzzy Interval Method for Scheduling Transportation Robots. Mathematical Modelling and Scientific Computing, A. S. Andreev, S. M. Markov, I. T. Dimov, Ch. Ullrich (eds.), Bulg. Acad. Sci., Sofia, 1991, 37–48.
13. V. M. Nesterov: How to Use Monotonicity-type Information to Get Better Estimates of the Range of Real-valued Functions. Interval Computations 4, 1993, 3–12.
14. P. Hertling: A Limitation for Underestimation Via Twin Arithmetic. Reliable Computing, 7, 2, 2001, 157–169.

Статьята

N. Dimitrova, S. Markov: Interval-arithmetic Algorithms for Simultaneous Computation of all Polynomial Zeros. In: Contributions to Computer Arithmetic and Self-Validating Numerical Methods, C. P. Ullrich (ed.), IMACS Annals on Computing and Applied Mathematics, vol. 7, J. C. Baltzer Publ., Basel, 1990, 291–300

цитирана в

15. A. Andreev, N. Kjurkchiev: Two-sided methods for solving equations. In: Contributions to Computer Arithmetic and Self-Validating Numerical Methods, C. P. Ullrich (ed.), IMACS Annals on Computing and Applied Mathematics, vol. 7, J. C. Baltzer Publ., Basel, 1990, 291–300.

Статията

N. S. Dimitrova, S. M. Markov, E. D. Popova: Extended Interval Arithmetics: New Results and Applications. In: Computer Arithmetic and Enclosure Methods, L. Atanassova and J. Herzberger (eds.), 1992, 225–232, ISBN: 0-444-89834-4

цитирана в

16. S. M. Markov: Extended Interval Arithmetic Involving Infinite Intervals. *Mathematica Balkanica*, New Series, Vol. 6, Fasc. 3, 1992, 269–304
17. G. Bohlender: Bibliography on Enclosure Methods and Related Topics. In: *Scientific Computing with Automatic Result Verification*, 1993.
18. N. Glazunov: On some algebraic structures of interval analysis and their extensions. In: *Scientific Computation and Mathematical Modelling*, S. Markov (ed.), DATECS Publ., Sofia, 1993, 11–12.
19. E. D. Popova: Extended Interval Arithmetic in IEEE Floating-point Environment. *Interval computations*, No 4, 1994, 100–129.
20. S. M. Markov: On Directed Interval Arithmetic and its Applications. *Journal of Universal Computer Science*, vol. 1, No. 7, 1995, 514–526
21. S. Markov, E. Popova: On the Solution of Linear Algebraic Equations Involving Interval Coefficients. In: *Iterative Methods in Linear Algebra II*, S. Margenov, P. Vassilevski (eds.), IMACS Series in Computational and Applied Mathematics 3, 1996, 216–223.
22. E. Popova, Ch. Ullrich: Generalising BIAS Specification. *Journal of Universal Computer Science*, 3, 1, 1997, 23–41 ISSN: 0948-6968
23. E. Popova: On the Efficiency of Interval Multiplication Algorithms. *Proceedings of IIIrd International Conference “Real Numbers and Computers”*, Paris, April 27–29, 1998, 117–132.
24. S. Markov: An Iterative Method for Algebraic Solution to Interval Equations. *Applied Numerical Mathematics*, vol. 30, Issues 2–3, 1999, 225–239
25. S. Markov, K. Okumura: The Contribution of T. Sunaga to Interval Analysis and Reliable Computing. In: *Developments in Reliable Computing*, T. Csendes (ed.), Kluwer Acad. Publ., 1999, 167–188
26. Нестеров, Вячеслав Михайлович: Твинные арифметики и их применение в методах и алгоритмах двустороннего интервального оценивания, диссертации и автореферата по ВАК 05.13.16, доктор физико-математических наук, Санкт-Петербург, 1999.
<http://www.dissercat.com/content/tvinnye-arifmetiki-i-ikh-primenenie-v-metodakh-i-algoritmakhdvustoronnego-intervalnogo-otse>
27. Шарый, Сергей Петрович: Интервальные алгебраические задачи и их численное решение, диссертации и автореферата по ВАК 01.01.07, доктор физико-математических наук, Новосибирск, 2000.

28. E. D. Popova: Multiplication Distributivity of Proper and Improper Intervals. *Reliable Computing* 7, 2001, 129–140.
29. Шерешевский, Лев Аронович: Разработка модели и программного комплекса автовалидации потоков нечетких данных. диссертации и автореферата по ВАК 05.13.18, кандидат технических наук, Самара, 2003.
<http://www.dissercat.com/content/razrabotka-modeli-i-programmnogokompleksa-avtovalidatsii-potokov-nechetkikh-dannykh>
30. A. Goldsztejn: A Right-Preconditioning Process for the Formal-Algebraic Approach to Inner and Outer Estimation of AE-Solution Sets. *Reliable Computing*, 11, 6, 2005, 443–478, Kluwer Acad. Publ.
31. A. Vckovski: Interoperable and Distributed Processing in GIS. Taylor&Francis e-Library, 2005, ISBN 0-203-21271-1
32. A. Goldsztejn: D'efinition et Applications des Extensions des Fonctions R'eelles aux Intervalles G'en'eralise'es. R'evision de la Th'eorie des Intervalles Modaux et Nouveaux R'esultats. Doctorat de l'universit'e de Nice-Sophia-Antipolis, 2005.
http://hal-unice.archives-ouvertes.fr/docs/00/06/14/23/PDF/Goldsztejn-2005-PhD_thesis.pdf
33. A. Chapoutot: Analyse statique pour la validation de programmes numeriques, Master de Sciences et Techniques Mention Informatique, Science et Technologie du Logiciel Logiciels Surs, Univ. P&M. Curie, 2005. www.enseignement.polytechnique.fr
34. F. Tonon: Using Extended Interval Algebra in Discrete Mechanics. In: Proc. of the NSF Workshop on Reliable Engineering Computing, R. L. Muhannah, R. L. Mullen (eds), Svannah, Georgia, USA, Feb. 22–24, 2006, 1–23.
35. Y. Wang: Interpretable Interval Constraint Solvers in Semantic Tolerance Analysis. *Computer-Aided Design & Applications*, 5, 5, 2008, 654–666.
36. Tayebbeh Hajjari: A Method to Compute Interval Integral. *Journal of Physics: Conference Series* 96, 2008, 012–015. doi:10.1088/1742-6596/96/1/012015, IOP Publishing Ltd.
37. A. Neumaier: Computer graphics, linear interpolation, and nonstandard intervals, IEEE Interval Standard Working Group - P1788, Dec. 22, 2008, **subm.** also to *Reliable Computing*. <http://www.mat.univie.ac.at/~neum/ms/nonstandard.pdf>
38. A. Goldsztejn: Modal Intervals Revisited Part 1: A Generalized Interval Natural Extension. hal-00294219, version 1, Mardi 8 Juillet 2008. <http://hal.archives-ouvertes.fr/hal-00294219/fr/>
39. A. V. Abs da Cruz, C. H. Barbosa, J. G. L. Lazo, K. Figueiredo, L. F. Almeida, M. A. C. Pacheco, M. M. B. R. Vellasco, Yvan J. T. Valdivia: Decision Support Methods. In *Intelligent Systems in Oil Field Development under Uncertainty*, Springer Book Series Studies in Computational Intelligence, vol. 183, 2009, 23–96.
DOI: 10.1007/978-3-540-93000-6_3
<http://www.springerlink.com/index/f7371878421311p6.pdf>

40. Y. Wang: Multiscale Variability and Uncertainty Quantification Based on a Generalized Multiscale Markov Model. Proc. of ASME 2010 Int. Design Engineering Technical Conferences & Computers and Information in Engineering Conference IDETC/CIE 2010, August 15–18, 2010, Montreal, Quebec, Canada, DETC2010/28790.
41. Y. Wang: Independence in Generalized Interval Probability. Proceedings of 2011 International Conference on Vulnerability and Risk Analysis and Management (ICVRAM) and International Symposium on Uncertainty Modeling and Analysis (ISUMA) , 2011, 37–44.
42. A. Kenoufi, N. Goze, M. Goze: Probabilist Set Inversion using a new framework for interval arithmetic. arXiv:1111.0167v2[math.NA], 4 Dec. 2011.
43. Chin-Yun Chen: Extended interval Newton method based on the precise quotient set. Computing 92, 4, 2011, 297–315. DOI 0.1007/s00607-011-0145-0
44. Y. Wang: Multiscale Uncertainty Quantification Based on a Generalized Hidden Markov Model. Journal of Mechanical Design, March 2011, 133(3): 031004-1 (10 pages) doi:10.1115/1.4003537
45. Y. Wang: Reliable kinetic Monte Carlo simulation based on random set sampling. In: Proceedings of ASME 2011 International Design Engineering Technical Conferences & Computers and Information in Engineering Conference, IDETC/CIE 2011, August 29–31, 2011, Washington, DC, USA.
46. R. Boukezzoula, L. Foulloy, S. Galichet: Model Inversion Using Extended Gradual Interval Arithmetic. IEEE Transactions on Fuzzy Systems, 99, 2011, 757–762. ISSN: 1063-6706
47. R. Boukezzoula, L. Foulloy, S. Galichet: Model inversion using extended gradual interval arithmetic. IEEE Transactions on Fuzzy Systems, 20 (1), 2012, art. no. 6015542, 82–95. ISSN: 1063-6706
48. Roumen Anguelov, The Algebraic Structure of Spaces of Intervals: Contribution of Svetoslav Markov to Interval Analysis and its Applications, in BIOMATH 2013 Conference Book, 2013.
49. Reda Boukezzoula, Sylvie Galichet, Laurent Foulloy, Moheb Elmasry: Extended gradual interval (EGI) arithmetic and its application to gradual weighted averages, Fuzzy Sets and Systems, online 2013, <http://dx.doi.org/10.1016/j.fss.2013.08.003> ISSN: 0165-0114
50. U. Kulisch: Computer Arithmetic and Validity, Theory Implementation and Applications, 2nd Edition, Walter de Gruyter GmbH, Berlin/Boston, 2013, 434 p. ISBN: 978-3-11-030173-1
51. Yan Wang, Generalized Fokker–Planck equation with generalized interval probability Mechanical Systems and Signal Processing, 37 (1-2) pp. 92-104. ISSN: 0888-3270
52. Yan Wang, Reliable kinetic Monte Carlo simulation based on random set sampling, Soft Computing, 17(8): 1439-1451. ISSN: 1432-7643

53. Yan Wang: Solving Interval Master Equation in Simulation of Jump Processes under Uncertainties, Proc. of the ASME 2013 International Design Engineering Technical Conferences & Computers and Information in Engineering Conference IDETC/CIE 2013 August 4-7, 2013, Portland, Oregon, USA, Paper No.DETC2013-12740.

Статията

N. S. Dimitrova: On Some Properties of an Interval Newton Type Method and Its Modification. Computing Suppl., vol. 9, 1993, 21–32 ISSN 0344-8029

цитирана в

54. E. D. Popova: Extended Interval Arithmetic in IEEE Floating-point Environment. Interval Computations, No. 4, 1994, 100–129.

Статията

N. Dimitrova, P. Zlateva: Investigation of the Methane Fermentation Process Using Interval Analysis. Automatica & Informatics, 5–6, 1994, 120–123 (in Bulgarian)

цитирана в

55. S. Markov: Some Problems of Mathematical Modelling in Ecology Involving Uncertainties. Phytologia Balkanica 3/2–3, 1997, 155–165.

Статията

N. Dimitrova, P. Zlateva: Study of the Steady-States of Methane Fermentation under Uncertain Data. Lecture Notes on Biomathematics and Bioinformatics, M. Candev (ed.), DATECS Publ., Sofia, 1995, 90–99

цитирана в

56. S. Markov: Some Problems of Mathematical Modelling in Ecology Involving Uncertainties. Phytologia Balcanica 3/2–3, 1997, 155–165.
57. P. Zlateva: Sliding Mode Control of Fermentation Processes. Bioprocess Engineering, 16, 6, 1997, 383–387.

Статията

N. Dimitrova, S. Markov: Verified Computation of Fast Decreasing Polynomials. Reliable Computing, 5, 3, 1999, 229–240

цитирана в

58. S. Markov: The Mystery of Intervals. Reliable Computing, 7, 1, 2001, 63–65.

Статията

P. Zlateva, N. Dimitrova: Sensitivity Analysis of a Nonlinear Model for a Continuous Culture of *Saccharomyces cerevisiae* Involving Uncertainty. In: Proc. Int. Symp. and

Young Scientists School on Bioprocess Systems (BioPs'2003), S. Tsonkov (ed.), 2003, I.58–I.62.

цитирана в

59. S. Markov: On the Use of Computer Algebra Systems and Enclosure Methods in the Modelling and Optimization of Biotechnological Processes. Bioautomation 3, 2005, 1–9.

Статията

M. I. Krastanov, N. S. Dimitrova: A Stabilizing Feedback of an Uncertain Control System. In: Numerical Methods and Applications (NMA'2002), I. Dimov, I. Lirkov, S. Margenov, Z. Zlatev (eds.), Lecture Notes in Computer Science 2542, Springer, 2003, 230–237. ISBN: 978-3-540-00608-4 (Print) 978-3-540-36487-0 (Online)

цитирана в

60. S. Markov: On the Use of Computer Algebra Systems and Enclosure Methods in the Modelling and Optimization of Biotechnological Processes. Bioautomation, 3, 2005, 1–9 ISSN 1312 – 451X

Статията

M. I. Krastanov, N. S. Dimitrova: Stabilizing Feedback of a Nonlinear Process Involving Uncertain Data. Int. Journ. Bioprocess and Biosystems Engineering 25, 4, 2003, 217–220. ISSN 1615-7591 (print version) ISSN 1615-7605 (electronic version)

цитирана в:

61. S. Markov: On the Use of Computer Algebra Systems and Enclosure Methods in the Modelling and Optimization of Biotechnological Processes. Bioautomation 3, 2005, 1–9. ISSN 1312 – 451X
62. I. T. Zita, A. Soons, Gerrit van Straten, Leo A. van der Pol, Anton J. B. van Boxtel: Online automatic tuning and control for fed-batch cultivation. Bioprocess and Biosystems Eng. 31, 5, 2008, 453–467. DOI: 10.1007/s00449-007-0182-4
63. R. Anguelov, S. Markov, F. Minani: Hausdorff continuous viscosity solutions of hamilton-jacobi equations. In: Large-Scale Scientific Computing (LSSC'2009), I. Lirkov, S. Margenov, J. Wasniewski (eds.), Lecture Notes in Computer Science 5910, 2010, 231–238, DOI: 10.1007/978-3-642-12535-5_26
64. А. З. Миндубаев, Д. Е. Белостоцкий и др. Метаногенез: биохимия, технология, применение. Учен. зап. Казан. Ун-та., Сер. Естеств. науки, том 152, кн. 2, 2010, 178–191
65. Z. Wang, S. Li, S. Fei: Output feedback finite-time control for a bioreactor system based on finite-time stable observer. Transactions of the Institute of Measurement and Control, publ. online 2012, doi: 10.1177/0142331211434659. print ISSN: 0142-3312; online ISSN: 1477-0369.

Статията

N. S. Dimitrova, M. I. Krastanov: Asymptotic Stabilization of a Biotechnological Process with Substrate Inhibition. Mathematics and Education in Mathematics, Proc. 33rd Spring Conf. of UBM, 2004, 407–412. ISBN 954-8880-17-2.

цитирана в

66. S. Markov: On the Use of Computer Algebra Systems and Enclosure Methods in the Modelling and Optimization of Biotechnological Processes. Bioautomation, 3, 2005, 1–9. ISSN 1312 – 451X

Статията

P. Zlateva, N. Dimitrova: Stability Analysis of a Nonlinear Model of Wastewater Treatment Processes. In: Numerical Analysis and Its Applications (NAA'2004), Zh. Li, L. Vulkov, J. Waśniewski (eds.), Lecture Notes in Computer Science 3401, Springer, 2005, 606–612. ISBN: 978-3-540-24937-5 (Print) 978-3-540-31852-1 (Online)

цитирана в

67. S. Markov: On the Use of Computer Algebra Systems and Enclosure Methods in the Modelling and Optimization of Biotechnological Processes. Bioautomation 3, 2005, 1–9.

Статията

N. S. Dimitrova, M. I. Krastanov: Stabilization of a Nonlinear Anaerobic Wastewater Treatment Model. In: Large-Scale Scientific Computing (LSSC'2005), I. Lirkov, S. Margenov, J. Waśniewski (eds.), Lecture Notes in Computer Science 3743, Springer, 2006, 208–215. ISBN 978-3-540-31994-8 (Print) 978-3-540-31995-5 (Online)

цитирана в

68. R. Anguelov, S. Markov, F. Minani: Hausdorff continuous viscosity solutions of hamilton-jacobi equations. In: Large-Scale Scientific Computing (LSSC'2009), I. Lirkov, S. Margenov, J. Wasniewski (eds.), Lecture Notes in Computer Science 5910, 2010, 231–238, DOI: 10.1007/978-3-642-12535-5_26

Статията

N. Dimitrova, M. Krastanov: Nonlinear Stabilizing Control of an Uncertain Bioprocess Model. Int. Journ. of Applied Mathematics and Computer Science, vol. 19, No. 3, 2009, 441–454. DOI: 10.2478/v10006-009-0036-0; ISSN 1641-876X

цитирана в

69. J. R. Banga, P. Bogaerts, J. Van Impe, D. Dochain, I. Smets: Equilibria of an anaerobic wastewater treatment process and their stability. In: J. R. Banga, P. Bogaerts, Jan F. M. Van Impe, D. Dochain, I. Smets (eds.), Computer Applications in Biotechnology, Proc. 11th IFAC Symposium on Computer Applications in Biotechnology 2010, vol. 11, part 1 ISBN: 978-3-902661-70-8

70. B. Benyahia, T. Sari, B. Cherki, J. Harmand: Sur le modèle AM2 de digestion anaérobie. CARI 2010, 2010. hal.inria.fr

71. S. M. Markov: Biomathematics and Interval Analysis: A Prosperous Marriage
AIP Conf. Proc. 1301, 26-36, 2010; <http://dx.doi.org/10.1063/1.352662>
72. Donoso-Bravo, A., Mailier, J., Martin, C., Rodriguez, J., Aceves-Lara, C.A., Wouwer, A.V., Model selection, identification and validation in anaerobic digestion: A review, Water Research, 45, 17, 2011, 5347–5364, ISSN 0043-1354.
73. M. Sbarciog, M. Loccufier, A. Vande Wouwer: On the optimization of biogas production in anaerobic digestion systems. Preprints of the 18th IFAC World Congress Milano (Italy) August 28 – September 2, 2011, 7150-7155.
74. M. Sbarciog, J. A. Moreno, A. V. Wouwer: A Biogas-Based Switching Control Policy for Anaerobic Digestion Systems. Preprints of the 8th IFAC Symposium on Advanced Control of Chemical Processes The International Federation of Automatic Control, Furama Riverfront, Singapore, July 10-13, 2012, 603-608, nt.ntnu.no
75. M. Sbarciog, M. Loccufier, A. Vande Wouwer, An optimizing start-up strategy for a bio-methanator, Bioprocess and Biosystems Engineering, Vol 35, No. 4, 2012, 565–578, DOI: 10.1007/s00449-011-0629-5, ISSN 1615-7605.
76. B. Benyahia, T. Sari, B. Cherki, J. Harmand: Bifurcation and stability analysis of a two step model for monitoring anaerobic digestion processes. Journal of Process Control, vol. 22, issue 6, 2012, 1008–1019, ISSN: 0959-1524
77. F. Liping, Z. Jun, H. Xing, H. Dong: The design of the MISO Model Predictive Controller for Bioreactor. Indonesian Journal of Electrical Engineering, vol. 10, No. 6, 2012. ISSN: 2087-278X

Статията

N. Dimitrova: Local Bifurcations in a Nonlinear Model of a Bioreactor, Serdica Journal of Computing 3, 2, 2009, 107–132

цитирана в

78. S. M. Markov: Biomathematics and Interval Analysis: A Prosperous Marriage. AIP Conf. Proc. 1301, 26-36, 2010. <http://dx.doi.org/10.1063/1.352662>

Статията

N. Dimitrova, M. Krastanov: Nonlinear Adaptive Control of a Model of an Uncertain Fermentation Process. Int. Journ. Robust Nonlinear Control, 20, 2010, 1001–1009. DOI: 10.1002/rnc.1503 ISSN 1049–8923

цитирана в

79. R. Anguelov, S. Markov, F. Minani: Hausdorff continuous viscosity solutions of hamilton-jacobi equations. In: Large-Scale Scientific Computing (LSSC'2009), I. Lirkov, S. Margenov, J. Wasniewski (eds.), Lecture Notes in Computer Science 5910, 2010, 231–238, DOI: 10.1007/978-3-642-12535-5_26
80. S. M. Markov: Biomathematics and Interval Analysis: A Prosperous Marriage. AIP Conf. Proc. 1301, 26-36, 2010. <http://dx.doi.org/10.1063/1.352662>

81. A. Rahman, S. K. Spurgeon, X. G. Yan: Estimation and control of non-linear variables in a continuous fermentation process using sliding mode techniques. Transactions of the Institute of Measurement and Control, published on-line 2011, DOI: 10.1177/0142331211413953; vol. 3, No. 7, 2012, 769–779. ISSN 0142-3312
82. Z. Wang, S. Li, S. Fei: Output feedback finite-time control for a bioreactor system based on finite-time stable observer. Transactions of the Institute of Measurement and Control, publ. online 2012, doi: 10.1177/0142331211434659. print ISSN: 0142-3312; online ISSN: 1477-0369.

Статията

N. Dimitrova, M. Krastanov: Nonlinear Adaptive Stabilizing Control of an Anaerobic Digestion Model with Unknown Kinetics. International Journal of Robust and Nonlinear Control, vol. 22, Issue 15, 2012, 1743–1752. published on-line 2011, DOI 10.1002/rnc.1782 print ISSN: 1049-8923, online ISSN: 1099-1239

цитирана в

83. Jean-Yves Dieulot: A productivity signal feedback controller for continuous bioreactors. Journal of Process Control, vol. 22, 7, August 2012, 1318–1324. ISSN: 0959-1524
84. G. Savoglidis, C. Kravaris: Constant-yield control of continuous bioreactors. Chemical Engineering Journal, Volume 228, 5 July 2013, 1234–1247.

Статията

N. S. Dimitrova, M. I. Krastanov: On the Asymptotic Stabilization of an Anaerobic Digestion Model with Unknown Kinetics. WSEAS Transactions on Systems, Special Issue on Modelling and Control of Integrated Bio-Systems S. Vassileva and F. Neri (eds.), Vol. 11, Issue 7, 2012, 244–255. e-ISSN 2224-2678.

цитирана в

85. Han Liu, Alexander Gegov, Frederic Stahl: J-measure Based Hybrid Pruning for Complexity Reduction in Classification Rules. WSEAS Transaction on Systems, Issue 9, Volume 12, September 2013, 433–446. E-ISSN: 2224-2678

Статията

M. Borisov, N. Dimitrova, V. Beschkov: Stability Analysis of a Bioreactor Model for Biodegradation of Xenobiotics. Int. Journ. Computers and Mathematics with Applications, vol. 64, No. 3, 2012, 361–373. DOI: 10.1016/j.camwa.2012.0.067 ISSN 0898-1221

цитирана в

86. R. Alt, J.-L. Lamotte: Stochastic Arithmetic as a Tool to Study the Stability of Biological Models. In: BIOMATH'2013 Conference Book, 28, 2013.