

A neutral network based identification for complex non-linear systems

Vaarmann, Otu Proceedings of the 3rd International Conference on Applied Operational Research, 24-26 August 2011, Istanbul, Turkey 2011 / p. 39-46

A theorem for methods with high-order convergence

Vaarmann, Otu Eesti Teaduste Akadeemia Toimetised. Füüsika. Matemaatika 1991 / 2, lk. 99-104

Aastaraamat 1999 / Eesti Matemaatika Selts

2001 http://www.ester.ee/record=b1226018*est

Approximate Gauss-Newton methods for the nonlinear least squares problem

Vaarmann, Otu The Third World Congress of Nonlinear Analysts : July 19-26, 2000, Catania, Italy 2000 / [1] p

Approximate methods for ill-posed optimization problems

Vaarmann, Otu ORBEL 14 : Fourteenth Conference on Quantitative Methods for Decision Making : January 20-21, 2000 : book of abstracts 2000 / p. 11-12

Approximate methods for two-point boundary value-problem

Vaarmann, Otu Theory and practice of differential equations 2000 / p. 31-38

Approximate methods for unstable nonlinear optimization problems [Electronic resource]

Vaarmann, Otu Internationales Kolloquium über Anwendungen der Informatik und der Mathematik in Architektur und Bauwesen : Promise and reality : gemeinsam mit eCAADe 2000 : 22. bis 24. Juni 2000, Weimar 2000 / [6] p. [CD-ROM]

Approximate solution of ill-posed optimization problems

Vaarmann, Otu Mathematical Modelling and Analysis : abstracts of the 10th International Conference MMA2005AMPCMAM2 : Trakai 2005 / p. 145

Arvutusmeetodid

Vaarmann, Otu 2005 http://www.ester.ee/record=b2067873*est

A class of rapidly convergent iterative methods for problems in mathematical modelling

Vaarmann, Otu Internationales Kolloquium über Anwendungen der Informatik und Mathematik in Architektur und Bauwesen, Bauhaus-Universität Weimar, 26.2-1.3.1997 1997 / [7] p

A convergence theorem for approximate methods of tangent hyperbolas

Kaldo, Indrek; Vaarmann, Otu Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 2004 / p. 165-176
https://kirj.ee/wp-content/plugins/kirj/pub/phys-3-2004-165-176_20211016224659.pdf

Damped Gauss-Newton type methods for ill-posed optimization problems

Parts, Inga; Vaarmann, Otu 5th International Conference on Optimal Research "Simulation and Optimization in Business and Industry" : May 17-20, 2006, Tallinn, Estonia : programme and abstracts 2006 / p. 9

Damped Gauss-Newton type methods for ill-posed optimization problems

Parts, Inga; Vaarmann, Otu International Conference on Operational Research : Simulation and Optimisation in Business and Industry : May 17-20, 2006, Tallinn, Estonia 2006 / p. 119-123

Dekompositsiooni-koordinatsiooni meetoditest multikriteeriaalses optimeerimises

Vaarmann, Otu Aastaraamat 2009 / Eesti Matemaatika Selts 2010 / lk. 76-87

Diferentsiaalvõrrandid : juhend TTÜ kaugõppe-üliõpilastele

2003 http://www.ester.ee/record=b1827929*est

Eesti teaduse biograafiline leksikon

Ingermann, Karl; Kilk, Aleksander; Kirs, Jüri; Mespak, Vello; Mägi, Vahur; Mürsepp, Peeter; Nestor, Heldur; Pappel, Toivo; Soonurm, Enno; Tiikma, Toomas; Toomaspoeg, Juhan; Vaarmann, Otu; Veiderma, Mihkel 2005
https://www.ester.ee/record=b2058212*est

Eetikast tuleviku juhtimisel

Vaarmann, Otu "Ühiskonna juhtimise arengu probleemid : XXI sajandi väljakutsed ja riskid" EABA teaduslik-praktilise konverentsi materjalid = "Проблемы развития общества : вызовы и риски XXI века" материалы научно-практической конференции EABA 2007 / lk. 144-150

EstORS - Estonian Operational Research Society

Vaarmann, Otu; Miidla, Peep IFORS news 2011 / p. 13-14 : ill

High order iterative methods for decomposition-coordination problems

Vaarmann, Otu Technological and economic development of economy 2005 / 4, p. 6

High order iterative methods for decomposition-coordination problems

Vaarmann, Otu Technological and economic development of economy 2006 / 1, p. 56-61

High order iterative methods for decomposition-coordination problems

Vaarmann, Otu Workshop of the European Working Group on Metaheuristics "Metaheuristics and Large Scale Optimization" 2005 / p. 15 <https://www.tandfonline.com/doi/abs/10.1080/13928619.2006.9637723>

High order iterative methods for problems in mathematical modelling

Vaarmann, Otu The Third International Conference : Tools for Mathematical Modelling : June 18-23, Saint-Petersburg : book of abstracts 2001 / p. 58

High order iterative methods for problems in mathematical modelling

Vaarmann, Otu Tools for mathematical modelling 2001 / p. 161-168

Insener ja matemaatika

Vaarmann, Otu Insenerikultuur Eestis. 3 1997 / lk. 218-223 https://www.ester.ee/record=b1063622*est

International Conference on Operational Research : Simulation and Optimisation in Business and Industry : May 17-20, 2006, Tallinn, Estonia

Pranevicius, Henrikas; **Vaarmann, Otu**; Zavadskas, Edmundas 2006 https://www.ester.ee/record=b2149411*est

Matemaatika ja pehmed erialad

Vaarmann, Otu Õpetajate Leht 2008 / lk. 6-7 : ill https://artiklid.elnet.ee/record=b2384054*est

Matemaatika ja tsivilisatsioon

Vaarmann, Otu Tallinna Tehnikaülikooli aastaraamat 2000 2001 / lk. 29-39

Matemaatika osast insenerihariduses

Vaarmann, Otu Aastaraamat 1997 / Eesti Matemaatika Selts 1999 / lk. 138-144

Matemaatika osast ühiskonnas

Vaarmann, Otu Akadeemia 1991 / 7, lk. 1374-1392

Matemaatika pidev- ja täiendõppest

Vaarmann, Otu Arvutustehnika ja Andmetöötlus 1991 / 8, lk. 29-31

Matemaatiline modelleerimine toeks otsustajale

Vaarmann, Otu Tallinna Tehnikaülikooli aastaraamat 2008 2009 / lk. 63-69

Matemaatilise mõtteviisi osast ühiskonnas

Vaarmann, Otu "Ühiskonna arengu majandus- ja sotsiaalprobleemid "globaalse küla" tingimustes" : EABA teaduslik-praktilise konverentsi materjalid 2008 / lk. 392-396

Matemaatilise mõtteviisi osast ühiskonnas

Vaarmann, Otu Aastaraamat 2007 / Eesti Matemaatika Selts 2012 / lk. 83-88

Meenutusi : Sulev Ulm : 26.07.1930-12.12.1978

Vaarmann, Otu Aastaraamat 1999 / Eesti Matemaatika Selts 2001 / lk. 124-127

Methods for nonlinear ill-posed problems

Vaarmann, Otu GAMM-Workshop : Iterative Processes for Solving Equations, Kiel, July 3-5, 1998 1998 / p. 27

Milleks meile operatsioonianalüüs?

Vaarmann, Otu Mente et Manu 2006 / 15. veebr., lk. 4 https://www.ester.ee/record=b1242496*est

Mõtisklusi matemaatikast ja tsivilisatsioonist

Vaarmann, Otu Aastaraamat 1999 / Eesti Matemaatika Selts 2001 / lk. 27-40

Mõtteid operatsioonianalüüsist ja kübermeetikast

Vaarmann, Otu Aastaraamat 2012 / Eesti Matemaatika Selts 2014 / lk. 65-71

Mõtteid Ülo Lumiste intervjuust Õpetajate Lehele (19. märts 1999)

Vaarmann, Otu Aastaraamat 1999 / Eesti Matemaatika Selts 2001 / lk. 62-63 : portr

On a hierarchical approach to the generation of pareto points for complex systems

Leibak, Alar; Šeletski, Anna; Vaarmann, Otu MCDA-75 : 75th Meeting of the European Working Group on Multiple Criteria Decision Aiding : Tarragona, Catalonia, Spain, April 12th-14th, 2012 : book of abstracts 2012 / p. 43

On a multi-level approach to the generation of Pareto points for complex systems

Leibak, Alar; Šeletski, Anna; Vaarmann, Otu Параллельные Вычисления и Задачи Управления - PACO'2012 : труды шестой Международной Конференции, Москва, 24-26 октября 2012 г.; Том 2 2012 / p. 11-20

On approximate Gauss-Newton methods for nonlinear least squares problem

Kaldo, Indrek; Vaarmann, Otu 50th Meeting of the European Working Group "Multiple Criteria Decision Aid" : Brest, France, 2004 2004 / p. 34

On approximate Gauss-Newton methods for nonlinear least squares problem

Kaldo, Indrek; Vaarmann, Otu Advances in multicriteria decision aid 2005 / p. 41-47

On approximate methods of tangent hyperbolas

Kaldo, Indrek; Vaarmann, Otu 7th International Conference : Mathematical Modelling and Analysis, May 31 - June 2, 2002, Kääriku, Estonia : abstracts 2002 / p. 25

On approximate methods of tangent hyperbolas

Kaldo, Indrek; Vaarmann, Otu Mathematical modelling and analysis 2002 / 2, p. 253-262

On convergence of some iterative methods for nonlinear equations

Vaarmann, Otu Matemaatika teoreetilisi ja rakenduslikke küsimusi : teesid, 13.-14. oktoober 1995 = Problems of pure and applied mathematics : abstracts 1995 / [1] lk

On decomposition-coordination methods for complex multi-objective optimization problems

Leibak, Alar; Šeletski, Anna; Vaarmann, Otu 17th International conference on "Mathematical Modelling and Analysis" : June 6-9, 2012, Tallinn, Estonia : abstracts 2012 / p. 133

On decomposition-coordination methods for multi-objective optimization

Leibak, Alar; Vaarmann, Otu M.C.D.A.'71' Meeting of the Euro. Working Group 'Multiple Criteria Decision Aiding' : Turin, 25-27.III.2010 2010 / [12] p

On high order iterative methods for nonlinear problems

Vaarmann, Otu 1996 https://www.ester.ee/record=b1071369*est

On high order iterative methods for non-linear problems

Vaarmann, Otu Nonlinear mathematical analysis and applications 1998 / p. 275-299

On iterative methods for nonlinear least squares problems

Vaarmann, Otu International Conference on Operations Research, Berlin, August 30-September 2, 1994 : program and abstracts 1994 / p. 69

On methods for unstable optimization problems

Vaarmann, Otu Symposium of the Operations Research - SOR'97 : Friedrich-Schiller-Universität, Jena, 3.-5. Sept. 1997 : proceedings 1997 / [6] p

On methods for weighted nonlinear least squares problems

Vaarmann, Otu 57th Meeting of the European Working Group : Multiple Criteria Decision Aiding : MCDA and Economic Evaluation of Environmental Goods : Viterbo, 27-29.03.2003 2003 / [9] p

On solving ill-conditioned systems of nonlinear equations

Vaarmann, Otu Eesti Teaduste Akadeemia Toimetised. Füüsika. Matemaatika 1994 / 2, lk. 49-63

On solving large nonlinear optimization problems

Vaarmann, Otu The 3rd European IEEE Workshop on Computer-Intensive Methods in Control and Data Processing : Can We Beat the Curse of Dimensionality?, September 7-9, 1998, Prague, Czech Republic 1998 / p. 217-220

On solving nonlinear least squares problems

Vaarmann, Otu 53rd Meeting of the European Working Group : Multicriteria Aid for Decisions : Athens, March 29-30 : abstracts

On solving nonlinear least squares problems

Vaarmann, Otu Proceedings of the 53rd Meeting of the European Working Group : Multicriteria Aid for Decisions : Athens, March 29-30 2001 / [7] p

On the solution of nonlinear least squares problems

Vaarmann, Otu Proceedings of 14th International Conference on Multivariate Statistical Analysis : MSA'95, Warsaw, Dec. 7-8, 1995 1995 / p. 57-69

On the solution of nonlinear optimization problems of high dimension

Vaarmann, Otu IKM : Internationales Kolloquium über Anwendungen der Informatik und Mathematik in Architektur und Bauwesen : 10.-12. Juni 2003, Bauhaus-Universität Weimar 2003 / p. 73 https://e-pub.uni-weimar.de/opus4/frontdoor/deliver/index/docId/366/file/M_21_pdfa.pdf

On the solution of nonlinear optimization problems of high dimension [Electronic resource]

Vaarmann, Otu IKM 2003 : proceedings 16th International Conference on the Applications of Computer Science and Mathematics in Architecture and Civil Engineering : digital proceedings 2003 / [6] p https://e-pub.uni-weimar.de/opus4/frontdoor/deliver/index/docId/366/file/M_21_pdfa.pdf

Operational research methodology in multicriteria decision making

Vaarmann, Otu Globaalne kriis : depressioonist innovatsioonini 2010 / p. 178-183

Operatsioonianalüüsi abil kaalutletud otsuseni

Vaarmann, Otu Majandus ja kultuuri ökoloogia kaasaegses linnas = Экономика и экология культуры в современном городе 2011 / lk. 332-339

Operatsioonianalüüsist ja küberneetikast

Vaarmann, Otu Akadeemia 2015 / lk. 1983-1996 https://artiklid.elnet.ee/record=b2748881*est

Operatsioonianalüüsist ja tema osast hariduses

Vaarmann, Otu Aastaraamat 2005 / Eesti Matemaatika Selts 2006 / lk. 76-83

Operatsioonianalüüsist ja tema osast hariduses

Vaarmann, Otu Ühiskonna arengu ja juhtimise probleemid ja perspektiivid : 21. sajandi väljakutsed : EABC teaduslik-praktilise konverentsi materjalid 2006 / lk. 305-312

Optimal decomposition of large-scale systems

Riismaa, Tiit; Vaarmann, Otu The International Workshop on Harbour, Maritime and Multimodal Logistics, Modelling & Simulation : HMS 2003 : September 18-20, 2003, Riga, Latvia 2003 / p. 385-394

Optimizing the structure of multi-level processing system as a multi-objective optimization problem

Riismaa, Tiit; Vaarmann, Otu Proceedings of the 67th meeting of the European Working Group "Multiple Criteria Decision Aiding" 2008 / p. 79-93

Otu Vaarmann 80 : [kolleegide küsimustele vastab Otu Vaarmann]

Vaarmann, Otu Aastaraamat 2017 / Eesti Matemaatika Selts 2018 / lk. 117-130 : portr https://www.ester.ee/record=b1226018*est

Preface

Listra, Enn; Pranevicius, Henrikas; Sakalauska, Leonidas; **Vaarmann, Otu;** Zavadskas, Edmundas 5th International Conference on Optimal Research "Simulation and Optimization in Business and Industry" : May 17-20, 2006, Tallinn, Estonia : programme and abstracts 2006 / p. I

Rapidly convergent methods for nonlinear Fredholm integral equations

Kaldo, Indrek; Vaarmann, Otu MMA 2004 : 9th International Conference "Mathematical Modelling and Analysis" : abstracts 2004 / p. 30

Search for the Pareto point with max-min approach

Tauts, Ants; Krumm, Lembit; Vaarmann, Otu 61st Meeting of the European Working "Multiple Criteria Decision Aiding" : March 10-11, Luxembourg 2005 / p. 14

SOBI 2006 : [Balti Operatsioonianalüüsi Seltsi rahvusvahelisest konverentsist, korraldajad TTÜst]

Vaarmann, Otu Aastaraamat 2006 / Eesti Matemaatika Selts 2007 / lk. 131-133

Solution of nonlinear least squares problems by approximate Gauss-Newton methods

Vaarmann, Otu International Conference : Modelling and Simulation of Business Systems : May 13-14, 2003, Vilnius, Lithuania 2003 / p. 43-46

Some approximate Gauss–Newton-type methods for nonlinear ill-posed problems

Kangro, Inga; Kangro, Raul; Vaarmann, Otu Proceedings of the Estonian Academy of Sciences 2013 / p. 227-237
https://artiklid.elnet.ee/record=b2651797*est

Some approximate methods for solving nonlinear ill-posed problems

Vaarmann, Otu Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 1999 / 2, p. 146-151

Some approximate methods for two-point boundary value problem

Vaarmann, Otu Proceedings of the Third International Conference Differential equations and applications : Saint Petersburg, June 12-17, 2000 2000 / p. 96

Some decomposition - coordination methods for multi-objective optimization

Leibak, Alar; Vaarmann, Otu 23rd European Conference on Operational Research : July 5-8, 2009, Bonn, Universität Siegen : book of abstracts 2009 / p. 263

Some iterative methods for decomposition-coordination problems

Vaarmann, Otu 56th Meeting of the European Working Group "Multiple Criteria Decision Aiding", Coimbra, October 3-5, 2002 : [abstracts] 2002 / p. 44

Some iterative methods for decomposition-coordination problems

Vaarmann, Otu 56th Meeting of the European Working Group "Multiple Criteria Decision Aiding", "MCDA and Welfare Economics", Coimbra, October 3-5, 2002 2002 / [6] p

Some iterative regularized methods for highly nonlinear least squares problems

Kangro, Inga; Vaarmann, Otu Mathematical modelling and analysis 2009 / 2, p. 179-186
<https://www.tandfonline.com/doi/abs/10.3846/1392-6292.2009.14.179-186>

Some methods for nonlinear ill-posed equations

Vaarmann, Otu The Fourth International Congress on Industrial and Applied Mathematics : Edinburgh (Scotland), 5-9 July, 1999 : book of abstracts 1999 / p. 321

Some methods for solving nonlinear ill-posed problems

Vaarmann, Otu Approximation methods and orthogonal expansions : abstracts of the International Conference on Approximation Methods and Orthogonal Expansions : Kääriku, Estonia, May 29-31, 1998 : dedicated to the 60th birthday of Professor Gennadi Vainikko 1998 / p. 34

Some methods of parameter identification for multilayer neural networks

Vaarmann, Otu MODA 68 : 68th Meeting of the Euro Working Group Multiple Criteria Decision Aiding : October 2-3, 2008, Chania, Greece : abstracts and papers 2008 / [5] p

Some rapidly convergent methods for nonlinear Fredholm integral equation

Kaldo, Indrek; Vaarmann, Otu Mathematical modelling and analysis : the Baltic journal on mathematical applications, numerical analysis and differential equations 2005 / 1, p. 63-72

Some stable iterative methods for nonlinear least squares problems

Vaarmann, Otu 55th Meeting of the European Working Group "Multicriteria Aid for Decisions : Nature in and off MCDA" 2002 / p. 27

5th International Conference on Optimal [i.e. Operational] Research "Simulation and Optimization in Business and Industry" : May 17-20, 2006, Tallinn, Estonia : programme and abstracts

2006 http://www.ester.ee/record=b2146103*est

Towards hierarchical approach for large nonlinear multi-objective optimization problems

Leibak, Alar; Vaarmann, Otu 14th International Conference "Mathematical Modelling and Analysis" : May 27-30, 2009, Daugavpils, Latvia : abstracts 2009 / p. 46

Two-parameter regularized Gauss-Newton type methods for highly nonlinear least squares problems

Kangro, Inga; Vaarmann, Otu International Conference : 20th EURO Mini Conference "Continuous Optimization and Knowledge-based Technologies" (EuroPT-2008) : May 20-23, 2008, Neringa, Lithuania 2008 / p. 160-164

Tööstusmatemaatika on nüüdiskultuuri osa

Vaarmann, Otu Rahva Hääl 1995 / 20. veebr

VI Eesti matemaatikapäevad : [26.-27. juunil 1998 Jõulumäel]

Jõgi, Aksel; Vaarmann, Otu Aastaraamat 1998 / Eesti Matemaatika Selts 2001 / lk. 177-179. (Kroonika)

XV Eesti Matemaatika Päevad

Vaarmann, Otu Aastaraamat 2013-2016 / Eesti Matemaatika Selts 2017 / lk. 252-261 : fot <https://dea.digar.ee/cgi-bin/dea?a=is&oid=JVarmteestimatemaatika201707&type=staticpdf> http://www.ester.ee/record=b1226018*est

О некоторых итерационных методах с последовательной аппроксимацией обратных и псевдообратных операторов : автореферат ... кандидата физико-математических наук (008)

Vaarmann, Otu 1970 http://www.ester.ee/record=b1380383*est

Применение многометодного подхода для решения нелинейных систем уравнений

Kask, K.; Vaarmann, Otu; Tammeraid, Ivar XXXII студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 19-21 апреля 1988 г. : тезисы докладов : [в 3-х частях], ч. 1 1988 / с. 42 https://www.ester.ee/record=b1571601*est