



Saeed Ketabchi

Curriculum Vitae

"In the name of ALLAH"

Personal

First name **Saeed**
Surname **Ketabchi**
Birth date **Marth, 1965**
Nationality **Iranian**
Marital status **Married**

Research Interests

- Linear and Nonlinear Programming
- Support Vector Machine
- Game Theory

Education

- 2005 **Ph.d.**, in *Applied Mathematics, operational research, Russian Academy of Sciences.*
Advisor: Professor Yury G. Evtushenko (Director of Dorodnicyn Computing Centre of the Russian Academy of Sciences)
- 1993 **M.Sc.**, in *Pure Mathematics, University of Tehran.*
Advisor: Professor A.Riazi
- 1991 **B.s.**, in *Pure Mathematics, University of Guilan, Guilan.*

Teaching

Engineering math.
Calculus I, II, III.
Linear and Nonlinear programming.
Mathematical Analysis I, II.
Optimization.

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Advanced optimization.
Support vector machine.

Publication and submitted papers

1. Minimum norm solution of the absolute value equations via simulated annealing algorithm, Hossein Moosaei, Saeed Ketabchi, Hamed Jafari , Afrika Matematika, 15 Aug 2014.
2. Augmented Lagrangian method for recourse problem of two-stage stochastic linear programming, Saeed Ketabchi, Malihe Behboodi-Kahoo, Kybernetika 49 no. 1, 188-198, 2013. Citation index: ISI.
3. Optimal error correction of the absolute value equation using a genetic algorithm, Saeed Ketabchi, Hossein Moosaei, Saeed Fallahi , Mathematical and Computer Modelling, Volume 57, Issues 9-10, May 2013, Pages 2339-2342. Citation index: ISI.
4. On the solution set of convex problems and its numerical application, Journal of Computational and Applied Mathematics 206 (2007) 288 - 292. (Joint work with, E. Ansari-Piri). Citation index: ISI.
5. Correcting an inconsistent set of linear inequalities by the generalized Newton method, Optimization Methods and Software 25 (2010) 457 - 465. (Joint work with , M. Salahi). Citation index: ISI.
6. Estimation of VLE of binary systems (tert-butanol + 2-ethyl-1-hexanol) and (n-butanol + 2-ethyl-1-hexanol) using GMDH-type neural network, The Journal of Chemical Thermodynamics, 42 (2010) 1352–1355. (Joint work with, H. Ghanadzadeh, A. Ghanadzadeh, S. Fallahi, M. Ganji). Citation index: ISI.
7. Computing Minimum- norm Solution of a Specific Constrained Convex Nonlinear Problem. Kybernetika. 48 (2012) 123-129.(Joint work with, H. Moosaei).Citation index: ISI.
8. Optimal Error Correction of the Absolute Value Equation by the Genetic Algorithm. (Joint work with H. Moosaei and S. Fallahi) Mathematical and Computer Modelling. Volume 57, Issues 9–10, May 2013, Pages 2339-2342.Citation index: ISI.
9. Optimal Correcting and Methods of Feasible Directions, Journal of Optimization Theory and Applications, 154 (2012) 209-216. (Joint work with, H. Moosaei).Citation index: ISI.
10. Minimum Norm Solution to the Absolute Value Equation. Joint work with H. Moosaei. Journal of Optimization Theory and Applications. September 2012, Volume 154, Issue 3, pp 1080-1087.Citation index: ISI.
11. Large Scale Linear Programming in the Windows and Linux computer operating systems, Saeed Ketabchi, Hossein Moosaei, Hossein Sahleh, Mohammad Hedayati, Applied Mathematics and Information Sciences,1553-1556, 2013.Citation index: ISI.
12. Minimum Norm Solution to the Positive Semidefinite Linear Complementarity Problem, Optimization: A Journal of Mathematical Programming and Operations Research, 1-11, 2012. (Joint work with Panos M. Pardalos and , H. Moosaei). Citation index: ISI.
13. Numerical methods for separating two polyhedra, nonconvex optimization and its application (Large-Scale Nonlinear Optimization) Springer Science, 88 (2006) 95-113. (Joint work with, Yu. G. Evtushenko, A. I. Golikov)
14. Numerical methods for separating two polyhedra, nonconvex optimization and its application (Large-Scale Nonlinear Optimization) Springer Science, 88 (2006) 95-113. (Joint work with, Yu. G. Evtushenko, A. I. Golikov)
15. On Families of Hyperplanes That Separate Polyhedra, Comput. Maths and Math. Phys., 45 (2005) 227-242. (Joint work with, A. I. Golikov, Yu. G. Evtushenko)

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16. Augmented Lagrangian Methods for linear programming, Dynamics of non-homogeneous systems, 7 (2004) 100–106. (Joint work with, A. I. Golikov, Yu. G. Evtushenko)
17. Optimal correction of inconsistent system in linear equality using Genetic Algorithm, Applications and Applied Mathematics: An International Journal, 5 (2010) 1585-1591. (Joint work with, H. Moosaei and S. Fallahi)
18. A Note on a Class of Nonlinear Maps on Banach Spaces, International Journal of Nonlinear Science, 10(2010) 186-189. (Joint work with, E.Ansari-Piri , S.Barfi)
19. Correcting Inconsistency in Linear Inequalities by Minimal Change in the Right Hand Side Vector, Computer Science Journal of Moldova, 17 (2009) 179-192. (Joint work with ,M. Salahi)
20. The Exponential Map in Fundamental Locally Multiplicative Topological Algebras, International Mathematical Forum, 36 (2007) 1763-1766. (Joint work with , E.Ansari-Piri)
21. Modified Lagrangian Function And Armijo Rule For Normal Solution Of The Lp Problem, Far East Journal Of Applied Mathematics, 35 (2009) 103-111. (Joint work with , H. Navidi and N. Mollaverdi)
22. A Comparison Of The Solutions Of Nonlinear Differential Equations By Adomian Decomposition And Generalization Of Milne Methods, Far East Journal of Applied Mathematics , 33 (2008) 357-367(Joint work with , N. Taghizadeh and M. T. Sadidi)
23. Application Of (G'/G) -expansion Method for Exact Solutions of Nonlinear Partial Differential Equation, Mathematics Scientific Journal. To appear 2012.(Joint work with, H. Moosaei)
24. On Solving the Homogeneous Smoluchowski's Equation Utilizing Adomian's Decomposition Method, Amirkabir university journal, 2009. (Joint work with , M.R. Yaghoti and H. Adibi)
25. On the Solution of the Regularized Least Squares of the Total Least Squares Problem. Submitted to ISI journal (revised2).
26. Exact Solution Of Fuzzy Sylvester Equation, submitted to ISI journal.
27. Computing normal solution of convex quadratic problems in the general form, submitted to ISI journal.
28. On the Residual vector of the Inconsistent Set of Linear Inequalities, submitted to ISI journal.
29. Minimal Changes in the Right Hand Side data for Correcting Linear Infeasibility Arising in Intensity-Modulated Radiation Therapy, submitted to ISI journal.

Conferences

- On the minimum norm solution of AVE , VI Moscow International Conference on Operation Research (ORM 2010)
- Computing Minimum norm Solution of a Specific Constrained Convex Problem, Veszprém Optimization Conference: Advanced Algorithms, Hungary, December 13-15, 2010.
- Normal solution of the constrained convex problem, 40th Annual Iranian Mathematics Conference, 1388(17-08-2009)
- Normal solution of the convex quadratic problems In the general form, 3rd International Conference of Iranian Operations Research Society, May 5-6, 2010
- Random number generators in Genetic Algorithms for unconstrained optimization, 3rd International Conference of Iranian Operations Research Society, May 5-6, 2010
- Solution of fuzzy Sylvester equation, 10th Iranian Conference On Fuzzy Systems, JULY 13-15, 2010.

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- On the Residual vector of the Inconsistent Set of Linear Inequalities. 4th International Conference of Iranian Operations Research Society, May 18-19, 2011, University of Guilan
- Optimal Correcting and Methods of Feasible Directions. International Conference On Applied Analysis And Algebra (ICAAA2011), 29-30 June and 1-2 July 2011 in Istanbul, Turkey.
- Exact Solutions for Nonlinear Partial Differential Equation via (G'/G) - Expansion. International Conference On Applied Analysis And Algebra (ICAAA2011), 29-30 June and 1-2 July 2011 in Istanbul, Turkey.
- An active set algorithm for optimal correction of inconsistent linear inequality with nonnegative variables. International Conference On Applied Analysis And Algebra (ICAAA2011), 29-30 June and 1-2 July 2011 in Istanbul, Turkey.
- Separating two polyhedrons with the help of a penalty function. International Conference On Applied Analysis And Algebra (ICAAA2011), 29-30 June and 1-2 July 2011 in Istanbul, Turkey.
- Comparison Of Exterior Penalty Function Method And Augmented Lagrangian Method To Obtain Normal Solution Of Linear Programming, 42th Annual Iranian Mathematics Conference, 2011.
- A Newton Method For Two-Stage Stochastic Linear Programming, The 2011 International Conference On Applied And Engineering Mathematics(AAM), 2011.
- On The Solution Of The Regularized Least Squares Of The Total Least Squares Problem, The Fourth International Conference On Mathematical Sciences, UAE, 2012.
- Computing Normal Solution Of Absolute Value Equations Using Simulated Annealing Algorithm, The Fourth International Conference On Mathematical Sciences, UAE, 2012.

Referee for Journals

Applications and Applied Mathematics: An International Journal (AAM)
Journal of Computational and Applied Mathematics

Conference Organizer

Member of the scientific Committee for the 4th International Conference of Iranian Operations Research Society, 2011

Memberships

Iranian Mathematical Society.
Operation Research Society of Iran.

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