



CURRICULUM VITAE

Morteza Kimiaei

PERSONAL INFORMATION

Birth December 25, 1983, Tehran, Iran
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EDUCATION & CERTIFICATION

2006-2008 **Master of Science in Applied Mathematics (Optimization)**
Department of Mathematics, Razi University, Kermanshah, Iran
Thesis title: *An active set trust-region for box constrained optimization*
Advisor: Prof. Keyvan Amini

2002-2006 **Bachelor of Science in pure Mathematics**
Department of Mathematics, Bu-Ali Sina University, Hamedan, Iran

1998-2001 **Diploma in Mathematics and Physics**
Engelab High School, Asadabad, Iran

RESEARCH INTERESTS

- *Nonsmooth Optimization*
- *Convex Optimization*
- *Nonlinear Optimization*
- *Global Optimization*
- *Computational Mathematics*
- *Large-Scale Structured Optimization*

PUBLICATIONS

• PUBLICATIONS IN REFEREED JOURNALS:

1. M. Kimiaei, F. Rahpaymaii, A fixed point method for convex systems, *Applied Mathematics*, 3 (2012), 1327–1333.
2. M. Ahookhosh, H. Esmaeili, M. Kimiaei, An effective trust-region-based approach for symmetric nonlinear systems, *International Journal of Computer Mathematics* (Taylor & Francis, ISI), 90 (3) (2013), 671–690.
3. H. Esmaeili, M. Kimiaei, An improved adaptive trust-region method for unconstrained optimization, *Mathematical Modelling and Analysis* (Taylor & Francis, ISI), 19(4) (2014), 469–490.
4. H. Esmaeili, M. Kimiaei, A new adaptive trust-region method for systems of nonlinear equations, *Applied Mathematical Modelling* (Elsevier, ISI), 38(11–12) (2014), 3003–3015.
5. H. Esmaeili, M. Kimiaei, An efficient implementation of a trust region method for box constrained optimization, *Journal of Applied Mathematics and Computing* (Springer, Scopus), 48 (2015), 495–517.
6. M. Ahookhosh, K. Amini, M. Kimiaei, A globally convergent trust-region method for large-scale symmetric nonlinear systems, *Numerical Functional Analysis and Optimization* (Taylor & Francis, ISI), 36 (2015), 830–855.
7. H. Esmaeili, M. Kimiaei, An efficient adaptive trust-region method for systems of nonlinear equations, *International Journal of Computer Mathematics* (Taylor & Francis, ISI), 92(1) (2015), 151–166.
8. M. Ahookhosh, K. Amini, M. Kimiaei, M.R. Peyghami, A limited memory trust-region method with adaptive radius for large-scale unconstrained optimization, *Bulletin of the Iranian Mathematical Society* (Iranian Mathematical Society, ISI), 42(4) (2015), 819–837
9. K. Amini, M. Kimiaei, Mushtak A.K. Shiker, A line search trust-region algorithm with nonmonotone adaptive radius for solving systems of nonlinear equations, *4OR* (Springer, ISI), 14(2) (2016), 133–152
10. Keyvan Amini, Hamid Esmaeili, M. Kimiaei, A nonmonotone trust-region-approach with nonmonotone adaptive radius for nonlinear systems, *Iranian Journal of Numerical Analysis and Optimization* (ISC), 6(1) (2016), 101–121.
11. Farzad Rahpeymaai, M. Kimiaei, Alireza Bagheri, A limited memory quasi-Newton trust-region method for box constrained optimization, *Computational and Applied Mathematics* (Elsevier, ISI), 303 (2016), 105–118.
12. Hamid Esmaeili, M. Kimiaei, A trust-region method with improved adaptive radius for systems of nonlinear equations, *Mathematical Methods of Operations Research* (Springer, ISI), 83 (2016), 109–105.
13. M. Kimiaei, Hamid Esmaeili, A trust-region approach with novel filter adaptive radius for systems of nonlinear equations, *Numerical Algorithms* (Springer, ISI), (2016), Accepted
14. M. Kimiaei, A new class of nonmonotone adaptive trust-region method for nonlinear equations with box constrained, *Calcolo* (Springer, ISI), (2016), Accepted
15. M. Kimiaei, Majid Rostami, Impulse noise removal based on new hybrid spectral conjugate gradient approach, *KYBERNETIKA* (The Czech Academy of Sciences, ISI), (2016), Accepted
16. M. Kimiaei, S. Ghaderi, A new restarting adaptive trust-region method for unconstrained optimization, *Journal of the Operations Research Society of China* (Springer, Scopus) (2016), Accepted

TEACHING

- 2008-2016** Razi University, Department of Mathematics, Teacher Math
Operation Research, Calculus and Analytic Geometry, Differential Equation
- 2009-2016** Azad Islamic University, Asadabad, Teacher Math
Operation Research, Calculus and Analytic Geometry, Differential Equation
- 2009-2016** Payame Noor University, Asadabad, Teacher Math
Operation Research, Calculus and Analytic Geometry, Differential Equation

2012-2016 Seyyed Jamaledin Asadabadi University, Teacher Math
Operation Research, Calculus and Analytic Geometry, Differential Equation

SELECTED SKILLS

– COMPUTER SKILLS:

Programming Language C, C++
Mathematical Software MATLAB
Operating System Linux, Windows
Applied Software Latex, Office

– LANGUAGE SKILLS:

Kurdish Native Language
Persian Native Language
English Advanced Knowledge

EXTRACURRICULAR ACTIVITIES

- Sport: football, Hiking, Climbing, Fishing
 - Reading books, Watching historical movies, FIFA 15.
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