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Center Ph. D. Students
Research Group: Operations Research
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Research interests

I am already working on the complexity of first order methods using performance estimation.

Qualifications

Other, Master's Degree, On maximum likelihood and sample moment estimators for the m th (central) moment in a normal and generalized gamma population, Sabanci University
31 Jan 2019 → 15 Dec 2020

Other, Master's Degree, A stochastic Kriging meta-model for simulation optimization based on a k -optimal design, Sharif University of Technology
15 Sept 2012 → 12 Sept 2014

Employment

PhD-student

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Tilburg University
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1 Jan 2021 → 1 Jan 2025

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Research outputs

Convergence rate analysis of the gradient descent-ascent method for convex-concave saddle-point problems

Zamani, M., Abbaszadehpeivasti, H. & de Klerk, E., 19 Jun 2024, In: Optimization Methods & Software. 23 p.

The exact worst-case convergence rate of the alternating direction method of multipliers

Zamani, M., Abbaszadehpeivasti, H. & de Klerk, E., Dec 2023, (E-pub ahead of print) In: Mathematical Programming.

Convergence rate analysis of randomized and cyclic coordinate descent for convex optimization through semidefinite programming

Abbaszadehpeivasti, H., de Klerk, E. & Zamani, M., Aug 2023, In: Applied Set-Valued Analysis and Optimization. 5, 2, p. 141-153 13 p.

On the rate of convergence of the difference-of-convex algorithm (DCA)

Abbaszadehpeivasti, H., de Klerk, E. & Zamani, M., Mar 2023, (E-pub ahead of print) In: Journal of Optimization Theory and Applications.

Conditions for linear convergence of the gradient method for non-convex optimization

Abbaszadehpeivasti, H., de Klerk, E. & Zamani, M., 2023, In: Optimization Letters. 17, p. 1105–1125

The exact worst-case convergence rate of the gradient method with fixed step lengths for L-smooth functions

Abbaszadehpeivasti, H., de Klerk, E. & Zamani, M., Jul 2022, In: Optimization Letters. 16, 6, p. 1649–1661