

Lista de lucrări

a) Articole publicate:

1. S.-M. Grad, E.-L. Pop, Vector duality for convex vector optimization problems by means of the quasi-interior of the ordering cone, Taylor&Francis, Optimization: A Journal of Mathematical Programming and Operations Research, Vol 63(1), 21-37, 2014.
2. S.-M. Grad, E.-L. Pop, Alternative Generalized Wolfe type and Mond-Weir type Vector Optimization, Journal of Nonlinear and Convex Analysis, Vol 15(5), 867-884, 2014.
3. S.-M. Grad, E.-L. Pop, Characterizing relatively minimal elements via linear scalarization, Springer, Operations Research Proceedings, 153-161, 2013.
4. D. I. Duca, E.-L. Pop, Optimization problems, first order approximated optimization problems and their connections, Carpathian Journal of Mathematics, Vol 28(1), 133-141, 2012.
5. D. I. Duca, E.-L. Pop, Properties of the intermediate point from a mean-value theorem, General Mathematics, Vol 22(1), 2014, 109-118.
6. E.-L. Pop, Some remarks for relative interior in set-valued optimization, General Mathematics, Vol 20(5), 83-91, 2012.
7. D. I. Duca, E.-L. Pop, Connections between Vector Optimization Problems, their Solutions and Saddle Points, Annals of the Tiberiu Popoviciu Seminar of Functional Equations, Approximation and Convexity, Vol 10, 3-18, 2012.
8. D. I. Duca, E.-L. Pop, Optimization Problems and First Order Approximated Optimization Problems, Annals of the Tiberiu Popoviciu Seminar of Functional Equations, Approximation and Convexity, Vol 8, 65-81, 2010.
9. D. I. Duca, E.-L. Pop, Optimization Problems, First order Approximated Optimization Problems, duals and the connections between their Saddle points, Buletinul Științific al Universității "Politehnica" din Timișoara, 56(70), 2, 3-14, 2011.
10. D. I. Duca, E.-L. Pop, Proper and Weak efficiency for unconstraint vector optimization problems, Proceedings of the 2011 International Conference on Computational and mathematical Methods in Science and Engineering, Benidorm, Spania, June 26-30, 2011, CMMSE, Vol III, 935-947, 2011.

b) Teza de doctorat

Duality and Optimality Conditions in Vector Optimization / Dualitate și condiții de optim în optimizarea vectorială

c) Cărți și capitole în cărți

1. Emilia-Loredana Pop, Scalar and optimization problems, Napoca Star, 2015, ISBN 978-606-690-210-6.
2. Emilia-Loredana Pop, Duality and Optimality Conditions in Vector Optimization, Napoca Star, 2015, ISBN 978-606-690-209-0.

