

Lucrări științifice

Articole în reviste ISI

1. **M. Durea, R. Strugariu, C. Tammer**, *On set-valued optimization problems with variable ordering structure*, Journal of Global Optimization, DOI: 10.1007/s10898-014-0207-x.
2. **M. Durea, R. Strugariu**, *Scalarization of constraints system in some vector optimization problems and applications*, Optimization Letters, DOI: 10.1007/s11590-013-0690-x.
3. **M. Apetrii, M. Durea, R. Strugariu**, *A new penalization tool in scalar and vector optimizations*, Nonlinear Analysis: Theory, Methods and Applications, 107 (2014), 22–33.
4. **M. Durea, V. N. Huyhn, H. T. Nguyen, R. Strugariu**, *Metric regularity of composition set-valued mappings: metric setting and coderivative conditions*, Journal of Mathematical Analysis and Applications, 412 (2014), 41–62.
5. **M. Durea, R. Strugariu**, *Chain rules for linear openness in metric spaces and applications*, Mathematical Programming Serie A, 143 (2014), 147–176.
6. **M. Durea, R. Strugariu, C. Tammer**, *Scalarization in geometric and functional vector optimization revisited*, Journal of Optimization Theory and Applications, 159 (2013), 635–655.
7. **M. Apetrii, M. Durea, R. Strugariu**, *On subregularity properties of set-valued mappings. Applications to solid vector optimization*, Set-Valued and Variational Analysis, 21 (2013), 93–126.
8. **M. Durea, H. T. Nguyen, R. Strugariu**, *Metric regularity of epigraphical multivalued mappings and applications to vector optimization*, Mathematical Programming Serie B, 139 (2013), 139–159.
9. **M. Durea, R. Strugariu**, *Calculus of tangent sets and derivatives of set-valued maps under metric subregularity conditions*, Journal of Global Optimization, 56 (2013), 587–603.
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14. **M. Durea, J. Dutta, C. Tammer**, *Stability properties of KKT points in vector optimization*, Optimization, 60 (2011), 823–838.
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16. **M. Durea, R. Strugariu**, *Optimality conditions in terms of Bouligand derivatives for Pareto efficiency in set-valued optimization*, Optimization Letters, 5 (2011), 141–151.
17. **M. Durea, R. Strugariu**, *Necessary optimality conditions for weak sharp minima in set-valued optimization*, Nonlinear Analysis: Theory, Methods and Applications, 73 (2010), 2148–2157.
18. **M. Durea**, *Openness properties for parametric set-valued mappings and implicit multifunctions*, Nonlinear Analysis: Theory, Methods and Applications, 72 (2010), 571–579.
19. **M. Durea**, *Remarks on strict efficiency in scalar and vector optimization*, Journal of Global Optimization, 47 (2010), 13–27.
20. **M. Durea, R. Strugariu**, *Quantitative results on openness of set-valued mappings and implicit multifunction theorems*, Pacific Journal of Optimization, 6 (2010), 533–549.
21. **M. Durea, J. Dutta, C. Tammer**, *Lagrange multipliers for ϵ -Pareto solutions in vector optimization with non solid cones in Banach spaces*, Journal of Optimization Theory and Applications, 145 (2010), 196–211.
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30. **M. Durea**, *Estimations of the Lagrange multipliers' norms in set-valued optimization*, Pacific Journal of Optimization, 2 (2006), 487–501.
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- 36. **M. Durea**, *On some constraint qualification conditions in set-valued optimization*, Pure Mathematics and Applications, 15 (2005), 393–408.
- 37. **M. Durea**, *Global and local optimality conditions in set-valued optimization problems*, International Journal of Mathematics and Mathematical Sciences, 11 (2005), 1693–1711.
- 38. **M. Durea**, *First and second order optimality conditions for set-valued optimization problems*, Rendiconti del Circolo Matematico di Palermo, 53 (2004), 451–468.
- 39. **M. Durea**, *Openness results for multifunctions via an abstract subdifferential*, Mathematica (Cluj), 47 (2005), 61–72.
- 40. **M. Durea**, *Generalized vector equilibrium problems and applications*, PanAmerican Mathematical Journal, 14 (2004), 37–50.
- 41. **M. Durea**, *On error bounds for vector valued functions*, Pure Mathematics and Applications, 14 (2003), 173–180.
- 42. **M. Durea**, *Applications of the Fréchet subdifferential*, Serdica Mathematical Journal, 29 (2003), 301–314.

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- 2. **M. Durea**, *O introducere în teoria optimizării neliniare*, Editura Tehnopress, Iași, 2012.

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- 3. **M. Durea, R. Strugariu**, *An introduction to nonlinear optimization theory*, Versita-De Gruyer Open.
- 4. **M. Durea, J. Dutta, C. Tammer**, *Vector Optimization : A view through Variational Analysis*, Springer.

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Semnătura,
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