

Lista de lucrări

Conf. univ. dr. Nicolae Popovici

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1. Bagdasar, O., Popovici, N., *Extremal properties of generalized convex vector functions*, Journal of Nonlinear and Convex Analysis, to appear (accepted August 2015).
2. Popovici, N.: *A decomposition approach to vector equilibrium problems*, Annals of Operations Research, Published online April 3, 2015, DOI: 10.1007/s10479-015-1861-1
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4. Kuroiwa, D., Popovici, N., Rocca, M., *A characterization of cone-convexity for set-valued functions by cone-quasiconvexity*, Set-Valued and Variational Analysis, Published online 18 Oct 2014, DOI:10.1007/s11228-014-0307-2.
5. Bagdasar, O., Popovici, N., *Local maximum points of explicitly quasiconvex functions*, Optimization Letters, 9 (2015) (4), 769-777.
6. Alzorba, Sh., Günther, Chr., Popovici, N., *A special class of extended multicriteria location problems*, Optimization, 64 (2015) (5), 1305-1320.
7. Popovici, N., Rocca, M., *Scalarization and decomposition of vector variational inequalities governed by bifunctions*, Optimization, 62 (6) (2013), 735-742.
8. Popovici, N., Rocca, M., *Decomposition of vector variational inequalities*, Nonlinear Analysis: Theory, Methods and Applications, 75 (3) (2012), 1516-1523.
9. La Torre, D., Popovici, N., Rocca, M., *A note on explicitly quasiconvex set-valued maps*, Journal of Nonlinear and Convex Analysis, 12 (1) (2011), 113-118.
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15. Popovici, N.: *Structure of efficient sets in lexicographic quasiconvex multicriteria optimization*, Operations Research Letters, 34 (2) (2006), 142-148.
16. Popovici, N.: *Pareto reducible multicriteria optimization problems*, Optimization, 54 (2005), 253-263.
17. Benoist, J., Popovici, N.: *Between quasiconvex and convex set-valued maps*, Applied Mathematics Letters, 17 (2004), 245-247.
18. Benoist, J., Borwein, M. J., Popovici, N.: *A characterization of quasiconvex vector-valued functions*, Proceedings of the American Mathematical Society, 131 (2003), 1109-1113.
19. Benoist, J., Popovici, N.: *Characterizations of convex and quasiconvex set-valued maps*, Mathematical Methods of Operations Research, 57 (2003), 427-435.

20. Benoist, J., Popovici, N.: *Generalized convex set-valued maps*, Journal of Mathematical Analysis and Applications, 288 (2003), 161-166.

21. Benoist, J., Popovici, N.: *Contractibility of the efficient frontier of three-dimensional simply-shaded sets*, Journal of Optimization Theory and Applications, 111 (2001), 81-116.

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32. Lupşa L., Popovici, N.: *Generalized unimodal multicriteria optimization problems*, Revue d'Analyse Numérique et de Théorie de l'Approximation, 35 (2006), 65-70 [MR2290480].
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34. Lupşa L., Popovici, N.: *A new algorithm for solving multicriteria unimodal optimization problems*, Annals of the Tiberiu Popoviciu Seminar of Functional Equations, Approximation and Convexity, 3 (2005), 123-130.
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42. Popovici, N.: *Convexité en espaces métriques via l'efficience de Pareto*, Mathematica (Cluj), 38 (1996), 169-175 [MR1606868 (99j:90075), Zbl 0904.90100].
43. Popovici, N.: *L'écart d'efficience dans l'optimisation vectorielle*, Revue d'Analyse Numérique et de Théorie de l'Approximation, 25 (1996), 217-224 [MR1607342, Zbl 0906.90155].
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1. Mordukhovich, B.S., Popovici, N., Sheu, R.-L., *Preface: special issue of JOGO-GCM10*, J. Global Optim., Vol. 57 (3) (2013), pp. 613-615.

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2. Breckner, B. E., Popovici, N.: *Convexity and Optimization: An Introduction*, EFES, Cluj-Napoca, 2006 (202 pagini, ISBN 978-973-7677-54-9).

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