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MSC:

90C30 Nonlinear programming
90C05 Linear programming

Cited in **3** Reviews
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References:

- [1] H.P. Benson and T.L. Morin, "The vector maximization problem: proper efficiency and stability",SIAM Journal on Applied Mathematics, to appear. · Zbl 0357.90059
- [2] A. Charnes and W.W. Cooper,Management models and industrial applications of linear programming, vol. 1 (Wiley, New York, 1961). · Zbl 0107.37004
- [3] J.G. Ecker and I.A. Kouada, "Finding efficient points for linear multiple objective programs",Mathematical Programming 3 (1975) 375-377. · Zbl 0385.90105 · doi:10.1007/BF01580453
- [4] J.P. Evans and R.E. Steuer, "A revised simplex method for linear multiple objective programs",Mathematical Programming 4 (1972) 54-72. · Zbl 0281.90045
- [5] A.M. Geoffrion, "Proper efficiency and the theory of vector maximization",Journal of Mathematical Analysis and Applications 22 (3) (1968) 618-630. · Zbl 0181.22806 · doi:10.1016/0022-247X(68)90201-1
- [6] A.M. Geoffrion, "Duality in nonlinear programming",SIAM Review 13 (1971) 1-37. · Zbl 0232.90049 · doi:10.1137/1013001
- [7] H. Isermann, "Proper efficiency and the linear vector maximum problem",Operations Research 22 (1) (1974) 189-191. · Zbl 0274.90024 · doi:10.1287/opre.22.1.189
- [8] T. Koopmans, "Analysis of production as an efficient combination of activities", in:activity analysis of production and allocation, Cowles Commission Monograph vol. 13 (Wiley, New York, 1951) pp. 33-97. · Zbl 0045.09506
- [9] E.L. Peterson and J.G. Ecker, "A unified duality theory for quadratically constrained quadratic programs and p -constrained p -approximation problems",Bulletin of the American Mathematical Society 74 (1968) 316-321. · Zbl 0155.28502 · doi:10.1090/S0002-9904-1968-11938-X
- [10] E.L. Peterson and J.G. Ecker, "Geometric programming: duality in quadratic programming and p -approximation I", in: H.W. Kuhn and A.W. Tucker, eds.,Proceedings of international symposium on mathematical programming (Princeton, NJ 1967).
- [11] E.L. Peterson and J.G. Ecker, "Geometric programming: duality in quadratic programming and p -approximation II (canonical programs)",SIAM Journal on Applied Mathematics 17 (1969) 317-340. · Zbl 0172.43704 · doi:10.1137/0117031
- [12] E.L. Peterson and J.G. Ecker, "Geometric programming: duality in quadratic programming and p -approximation III (degenerate programs)",Journal of Mathematical Analysis and Applications 29 (1970) 365-383. · Zbl 0183.49003 · doi:10.1016/0022-247X(70)90085-5
- [13] J. Philip, "Algorithms for the vector maximization problem",Mathematical Programming 2 (1972) 207-229. · Zbl 0288.90052 · doi:10.1007/BF01584543
- [14] R.T. Rockafellar, "Lagrange multipliers in optimization", in: R.W. Cottle, ed.,Proceedings of symposia in applied mathematics IX, (Am. Math. Soc., Providence, RI, to appear). · Zbl 0341.90046
- [15] R.T. Rockafellar, "Ordinary convex programs without a duality gap",Journal of Optimization Theory and Applications 7 (3) (1971) 143-148. · Zbl 0198.24604 · doi:10.1007/BF00932472
- [16] R.T. Rockafellar, "Some convex programs whose duals are linearly constrained", in:Nonlinear programming (Academic Press, New York, 1970) pp. 293-322. · Zbl 0252.90046
- [17] R.E. Wendell, A.P. Hurter, Jr. and T.J. Lowe, "Efficient points in location problems",Journal of Mathematical Analysis and Applications 49 (2) (1975) 430-468. · Zbl 0313.65047 · doi:10.1016/0022-247X(75)90189-4
- [18] P.L. Yu and M. Zeleny, "The set of all nondominated solutions in linear cases and a multicriteria simplex method",AIIE Transactions, to appear. · Zbl 0313.65047
- [19] P.L. Yu and M. Zeleny, "On some linear multi-parametric programs", Rept. No. CSS 73-05, Center for System Science, University of Rochester, Rochester, NY (1973).

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