Duality in Multiobjective Nonlinear Programming under Generalized Second Order (F, b, φ , ρ , θ) – Univex Functions

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Abstract : In the present paper, second order duality for multiobjective nonlinear programming are investigated under the second order generalized (F, b, φ , ρ , θ) – univex functions. The weak, strong and converse duality theorems are proved. Further, we also illustrated an example of (F, b, φ , ρ , θ) – univex functions. Results obtained in this paper extend some previously known results of multiobjective nonlinear programming in the literature.

Keywords : duality, multiobjective programming, univex functions, univex

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