ERRATUM TO: NECESSARY OPTIMALITY CONDITIONS FOR A FRACTIONAL MULTIOBJECTIVE OPTIMIZATION PROBLEM

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Dutta et al. [2] have recently published a correction of the well-known result of Dutta and Chandra ([1], Thm. 3.5). Using a counterexample, they proved that Dutta and Chandra’s result is not correct and then provided a true statement of it (see [2], Thm. 2.1) under the assumption that the contingent cone to the feasible set at the considered point is convex.

As the conclusion of Theorem 3.5 from [1] was used in the proof of Theorem 3.4 from [3], specifically for transitioning from

$$\sup_{\eta \in \partial^* \psi (x)} \langle \eta, d \rangle \geq 0, \text{ for all } d \in T(C, x)$$

we have to correct our results by adding the missing convexity of the contingent cone $T(C, x)$ to the statement of Theorem 3.4 from [3] and the subsequent outcomes. This additional condition is crucial for the validity of our results.

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References


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