

New optimality conditions for the vector continuous-time programming problem

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We consider the vector continuous-time programming problem. Unfortunately, some of the main results from [1], regarding optimality conditions are incorrect, as shown in [2]. In order to obtain optimality conditions, we improve new connection between the vector continuous-time programming problem and the weighting scalar problem. We obtain new optimality conditions for the considered problem.

References

- [1] V. A. De Oliveira, Vector continuous-time programming without differentiability, *J. Comput. Appl. Math.* **234** (2010), 924–933.
- [2] A. V. Arutyunov, S. E. Zhukovskiy and B. Marinkovic, Theorems of the alternative for systems of convex inequalities, *Set-Valued Var. Anal.* **25** (2017), 1–20.