

An Effective Characterization of Schur-Convex Functions with Applications. Corrigendum

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The aim of this corrigendum is to reveal that in some results of the paper [2], and namely in Lemmas 3.1 and 3.3 and in Theorems 3.4 and 3.6, the word "measurable" should be replaced by "continuous". The reason is that the proof of Lemma 3.1 is not adequate to its statement. What it exactly shows is that a continuous function f is convex if and only if it holds the condition (3). In particular, the correct version of Lemma 3.3 is consistent with Propositions C.1 and C.1.c in [1] p. 64 and 67.

Let us mention that these emendations do not affect the rest of the paper.

References

- [1] A. W. Marshall, I. Olkin: *Inequalities: Theory of Majorization and its Applications*, Academic Press, New York (1979).
- [2] C. Stepniak: An effective characterization of Schur-convex functions with applications, *J. Convex Analysis* 14 (2007) 103–108.