CORRECTION



Correction: Optimality and duality theorems in nonsmooth multiobjective optimization

Kwan Deok Bae and Do Sang Kim*

* Correspondence: dskim@pknu.ac.

kr Department of Applied Mathematics, Pukyong National University, Busan 608-737, Korea We wish to indicate the following corrections to our original paper [1].

- (1) The first sentence in Definition 2.2, we delete " $i \in \{1, 2, \dots, p\}$ ".
- (2) The first sentence in Definition 2.2, we replace

$$f_i(x) + s(x|D_i) \neq f_i(x^0) + s(x^0|D_i)$$

to

 $f(x) + s(x|D) \neq f(x^0) + s(x^0|D).$

- (3) The second sentence in Definition 2.3, we delete " $i \in \{1, 2, \dots, p\}$ ".
- (4) The second sentence in Definition 2.3, we replace

$$f_i(x) + s(x|D_i) \neq f_i(x^0) + s(x^0|D_i) + c_i||x - x^0||^m$$

to

$$f(x) + s(x|D) \neq f(x^0) + s(x^0|D) + c||x - x^0||^m$$
.

- (5) The second sentence in Definition 2.4, we delete " $i \in \{1, 2, \dots, p\}$ ".
- (6) The second sentence in Definition 2.4, we replace

$$i'f_i(x) + s(x|D_i) \neq f_i(x^0) + s(x^0|D_i) + c_i||x - x^0||^m$$

to

$$f(x) + s(x|D) \neq f(x^0) + s(x^0|D) + c||x - x^0||^m.$$

(7) The second sentence in the proof of Theorem 2.1, we replace. " $c_i > 0, i = 1, ..., p$ " to " $c \in int \mathbb{R}^{p_1}_+$.

(8) The second sentence in the proof of Theorem 2.1, we replace

$$f_i(x) + s(x|D_i) \neq f_i(x^0) + s(x^0|D_i) + c_i||x - x^0||^m$$

to

$$f(x) + s(x|D) \neq f(x^0) + s(x^0|D) + c||x - x^0||^m.$$

(9) In equation (3.8), we replace " c_i " to " d_i ".

(10) The eighth sentence in the proof of Theorem 3.3, we replace "where c = ae," to "where d = ae".

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(11) The ninth sentence in the proof of Theorem 3.3, we replace " $c \in int \mathbb{R}^{p_u}$ to " $d_i > 0$, $i = 1, \dots, p$,".

(12) The ninth sentence in the proof of Theorem 3.3, we replace " c_i " to " d_i ".

(13) The tenth sentence in the proof of Theorem 3.3, we replace " c_i " to " d_i ".

(14) The tenth sentence in the proof of Theorem 3.3, we replace " c_i " to " d_i ".

(15) In equation (4.8), we replace " c_i " to " d_i ".

(16) The tenth sentence in the proof of Theorem 4.1, we replace "where c = ae," to "where d = ae".

(17) The eleventh sentence in the proof of Theorem 4.1, we replace " $c \in int \mathbb{R}^{p_i}$ to " $d_i > 0, i = 1, \dots, p_i$ ".

(18) The eleventh sentence in the proof of Theorem 4.1, we replace " c_i " to " d_i ".

(19) The twelfth sentence in the proof of Theorem 4.1, we replace " $c \in int \mathbb{R}^{p}$," to " $d_i > 0, i = 1, \dots, p$,".

(20) The twelfth sentence in the proof of Theorem 4.1, we replace " c_i " to " d_i ".

(21) The twelfth sentence in the proof of Theorem 4.1, we replace " $i = 1, \dots, p$." to " $i = 1, \dots, p$,".

(22) The fourth sentence in the proof of Theorem 4.2, we replace " c_i " to "c".

(23) The fourth sentence in the proof of Theorem 4.2, we replace

$$f_i(x^0) + (x^0)^T w_i^0 + c_i ||u - x^0||^m$$

 $\leq f_i(u) + u^T w_i, \ i = 1, \cdots, p.$

to

$$f(x^{0}) + (x^{0})^{T}w^{0} + c||u - x^{0}||^{m}$$

 $\leq f(u) + u^{T}w.$

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