CORRECTION



Correction to: On the Approximation of Unbounded Convex Sets by Polyhedra

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Published online: 19 May 2022 © The Author(s) 2022

Correction to: Journal of Optimization Theory and Applications https://doi.org/10.1007/s10957-022-02020-3

In this article, Algorithm 1 was duplicated instead of Algorithm 2. Algorithm 2 is below,

Algorithm 2: An algorithm for (ε, δ) -approximations of spectrahedra **Data**: Matrix $\mathcal{A}(x)$ representing an unbounded closed and line-free spectrahedron C with nonempty interior, error tolerances ε and δ **Result**: *V*-representation of an (ε, δ) -approximation *P* of *C* 1 $w \leftarrow (-A_1 \cdot I, \dots, -A_n \cdot I)^{\mathsf{T}} / \left\| (-A_1 \cdot I, \dots, -A_n \cdot I)^{\mathsf{T}} \right\|$ // interior point of $(0^+ C)^{\circ}$ $2 M \leftarrow 0^+ C \cap \left\{ x \in \mathbb{R}^n \mid w^\mathsf{T} x = -(1+\delta) \right\}$ 3 Compute a $\delta/2$ -approximation \overline{M} of M according to Algorithm 1 $4 \ \overline{M} \leftarrow \overline{M} + \left\{ x \in \mathbb{R}^n \mid \|x\|_1 \le \frac{\delta}{2} \right\}$ 5 $K \leftarrow \text{cone vert } \overline{M}$ 6 Compute a *H*-representation (R, 0) of *K* 7 Compute solutions x_r^* of $(P_1(r))$ for every row r of R $\mathbf{s} \ \overline{C} \leftarrow C \cap \{x \in \mathbb{R}^n \mid w^{\mathsf{T}}x \ge \min_r w^{\mathsf{T}}x_r^* - \varepsilon\}$ 9 Compute an ε -approximation \overline{P} of \overline{C} according to Algorithm 1 10 $P \leftarrow \overline{P} + K$ 11 return a V-representation of P

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The original article can be found online at https://doi.org/10.1007/s10957-022-02020-3.

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