Addendum to Theorem 3.3 of

Characterizations of solution sets of cone-constrained convex programming problems

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- On page 1441, for the statement of Theorem 3.3(b), it is better to write the set S in the following way:

$$S = \left\{ x \in F \,|\, \lambda_a^T g(x) = 0,\ \partial L_a(a, \lambda_a) \bigcap \{-A^T y \,|\, y \in \mathbb{R}^m\} \neq \emptyset \right\}.$$

Accordingly, the corresponding place in line 6 of page 1443 should be modified.

- On page 1442, from line -10 to line -3, the proof of Theorem 3.3(b) is revised a bit as below.

From "Moreover, we get ...... holds due to $a, x \in S \subset F$."

should be "For any $z \in \mathbb{R}^n$, it follows that

$$\begin{aligned}
& L_a(z, \lambda_a) - L_a(a, \lambda_a) \\
= \ & L_a(z, \lambda_a) - L_a(x, \lambda_a) \\
\geq \ & -(A^T y)^T (z - x) \\
= \ & -(A^T y)^T (z - a) - (A^T y)^T (a - x) \\
= \ & -(A^T y)^T (z - a),
\end{aligned}$$

where the third equality holds due to $a, x \in S \subset F$."