Correction to: Order-theoretic properties and separability of some sets of quasi-measures

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Here is a corrected version of the Abstract.

Abstract. Let $\mathfrak{M}$ and $\mathfrak{R}$ be algebras of subsets of a set Ω with $\mathfrak{M} \subset \mathfrak{R}$. Denote by $E(\mu)$ the set of all quasi-measure extensions of a given quasi-measure μ on $\mathfrak{M}$ to $\mathfrak{R}$. We present some results on the coincidence of the bands, in $ba(\mathfrak{R})$, generated by $E(\mu)$ and $\text{extr}E(\mu)$. Moreover, we show that if μ is atomic, then $E(\mu)$ is contained in a principal band in $ba(\mathfrak{R})$ if and only if it is separable. Another sufficient condition for the separability of $E(\mu)$ is also presented.

The corrections consist in replacing “ $\mathfrak{R}$ ” by “ $ba(\mathfrak{R})$ ” in lines 3 and 5 thereof. Here are other corrections needed in the text.

1. In the fifth paragraph on p. 585, the final formula should read as follows: $\mu = \sum_{v \in \mathcal{U}_\mu} v$.
2. Condition (i) of Proposition 4 on p. 585 should read as follows:
 $ba(\mathfrak{M}) = B_{ult}(\mathfrak{M})$.
3. In Remark 2 on p. 586, the displayed formula should read as follows:

$$B_{pa}(\mathfrak{M}) = B_{ult}(\mathfrak{M}).$$

4. The first inequality in the proof of Proposition 5 on p. 586 should read as follows:
 $\tau \geq \sum_{\pi \in \mathcal{F}} \tau_\pi$.
5. In Remark 3 on p. 586, “ 2^c ” should read as follows: “ $2^{\mathfrak{c}}$ ” twice.

The original article can be found online at <https://doi.org/10.1007/s11587-018-0373-0>.

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6. In the line following the proof of Theorem 3 on p. 592, “equivalence of” should read “equivalent”.
7. In the first paragraph on p. 593, “a cardinality ≥ 1 ” should read “a cardinal ≥ 1 ”.

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