

Corrigendum to the paper
“The universal Banach space with
a K -suppression unconditional basis”

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Abstract. We observe that the notion of an almost \mathfrak{J}_K -universal based Banach space, introduced in our earlier paper [1]: Banakh T., Garbulińska-Węgrzyn J., *The universal Banach space with a K -suppression unconditional basis*, Comment. Math. Univ. Carolin. **59** (2018), no. 2, 195–206, is vacuous for $K = 1$.

Taking into account this discovery, we reformulate Theorem 5.2 from [1] in order to guarantee that the main results of [1] remain valid.

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In the paper [1] for every real number $K \geq 1$ we have introduced the notion of an almost \mathfrak{J}_K -universal based Banach space and proved some properties of such spaces. But in the paper [2] we discovered that for $K > 1$ the notion of an almost \mathfrak{J}_K -universal Banach space is vacuous, as shown by the following proposition that can be proved by analogy with Proposition 5.8 in [2].

Proposition. *No based Banach space is almost \mathfrak{J}_K -universal for $K > 1$.*

This Proposition implies that Theorem 5.2 of the paper [1] does not hold for $K > 1$, so should be rewritten in the following redaction (which can be proved by analogy with Theorem 5.9 in [2]).

Theorem 5.2’. *Any \mathfrak{R}_K -universal rational K -based Banach space is almost \mathfrak{J}_1 -universal.*

Fortunately, this restricted version of Theorem 5.2 is still sufficient for deriving Corollary 5.8 (on the \mathfrak{B} isomorphness of the \mathfrak{R}_K -universal K -based Banach spaces \mathbb{U}_K to the \mathfrak{B} -universal Pełczyński space \mathbb{U}). All other results proved in [1] remain valid (since their proofs do not use Theorem 5.2).

REFERENCES

- [1] Banach T., Garbulińska-Węgrzyn J., *The universal Banach space with a K -suppression unconditional basis*, Comment. Math. Univ. Carolin. **59** (2018), no. 2, 195–206.
- [2] Banach T., Garbulińska-Węgrzyn J., *A universal Banach space with a K -unconditional basis*, Adv. Oper. Theory **4** (2019), no. 3, 574–586.

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