ERRATUM TO “ON CONDENSATIONS OF $C_p$-SPACES ONTO COMPACTA”

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In the article “On condensations of $C_p$-spaces onto compacta” [1], the word “non-discrete” is missing in 3. Remarks. The first sentence of this remark should read:

“A result similar to Theorem 1 holds for the space $C^b_p(X)$ of bounded continuous real-valued functions on $X$ in the topology of pointwise convergence: this space also condenses onto a compactum whenever $X$ is a $\sigma$-compact metrizable non-discrete space.”

This restriction is essential, since the space $C^b_p(\omega)$, where $\omega$ is discrete, does not condense onto a compactum. This is so since $C^b_p(\omega)$ is the union of a countable family of nowhere dense compact subspaces.

References