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Correction to the paper: “Some factorization theorems for
paracompact σ -spaces”

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CORRECTION
TO THE PAPER"SOME FACTORIZATION THEOREMS FOR PARACOMPACT σ -SPACES"

Ju.H.Bregman

As Prof.M.G.Charalambous has noticed the proof of Proposition 2 in my paper [1] contains a mistake. Since the image of σ -discrete family of sets under a closed continuous mapping is not necessarily σ -discrete the proof of Proposition 2 must be changed as follows.

Take a σ -discrete network \mathcal{K} in X consisting of closed sets. Then by the result of Siwiec and Nagata [2] there exists a σ -discrete network \mathcal{L} in Y consisting of closed sets such that each $F \in f(\mathcal{K})$ can be expressed as $F = \cup\{K \in \mathcal{L}; K \subset F\}$. It is easy to notice that $f^{-1}(\mathcal{L}) \wedge \mathcal{K}$ is a σ -discrete network in X the image of which is σ -discrete.

REFERENCES

- [1] Bregman Ju.H., *Some factorization theorems for paracompact σ -spaces*, Commentationes Math. Universitatis Carolinae 28 (1987), 211-216.
- [2] Siwiec F., Nagata J., *A note on nets and metrization*, Proc. Japan Acad. 44 (1986), 623-627.

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