Commentationes Mathematicae Universitatis Carolinae

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

CORRECTION
TO THE PAPER
"SOME FACTORIZATION THEOREMS FOR PARACOMPACT σ-SPACES"
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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*, Com entationes 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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