Jurij H. Bregman
Correction to the paper: “Some factorization theorems for paracompact $\sigma$-spaces”

Commentationes Mathematicae Universitatis Carolinae, Vol. 30 (1989), No. 1, 189

Persistent URL: http://dml.cz/dmlcz/106719

Terms of use:
© Charles University in Prague, Faculty of Mathematics and Physics, 1989

Institute of Mathematics of the Academy of Sciences of the Czech Republic provides access to digitized documents strictly for personal use. Each copy of any part of this document must contain these Terms of use.

This paper has been digitized, optimized for electronic delivery and stamped with digital signature within the project DML-CZ: The Czech Digital Mathematics Library http://project.dml.cz
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 $F = \bigcup \{K \in \mathcal{L}; K \subset F\}$. 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


Dept.Appl.Math., Riga Polytechnical Institute Lenin str. 1, 226355 Riga USSR
(Received 21.12. 1988)