Jan Pavelka

Correction to my paper: "Tensor products in the category of convergence spaces" [Comment. Math. Univ. Carolin. 13 (1972), 693-709]

CORRECTION TO MY PAPER "TENSOR PRODUCTS IN THE CATEGORY OF CONVERGENCE SPACES"

Jan PAVELKA, Praha

Professors V.A. Geiler and M.Š. Ponirovskij from Mordovian State University have kindly informed me that Proposition 7 in the above mentioned paper is incorrectly stated. What actually holds, is

" φ is an epimorphism in $\mathcal{L}$ iff the set $f(X)$ is dense in X' wrt the topology whose closed sets are exactly those closed under the convergence Λ' ."

In the proof of necessity we then replace M by the closure of $f(x)$ in this topology. Sufficiency follows from the axiom LO by transfinite induction on iterated Λ'-closure.

Nevertheless, this alteration does not affect the validity of other results. It is only necessary to reinterpret the first part of the proof of Lemma 18 so that it says that $\kappa_0^{AA}(A \oplus A)$ is always convergence-closed in $A \otimes A$.

Reference:

J. PAVELKA: Tensor product in the category of convergence spaces, Comment.Math.Univ.Carolinae 13(1972), 693-709.

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