

Nonstandard topological extensions: Addendum

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It has recently come to my attention that, independent from my investigations in [1], Professor K.D. Stroyan [2] obtains for a Tychonoff space X and a normal base β a quotient space on *X which is homeomorphic to the Wallman-Frink Hausdorff compactification $\omega(X, \beta)$. Consequently, if X is Tychonoff, then Corollary 4.1 in [1] implies that Stroyan's space is homeomorphic to the space $\omega(X, \beta)_S$ which is constructed in Theorem 4.1 in [1]. Stroyan's result is obtained by use of a monadic closure operator.

I regret not mentioning Professor Stroyan's result in my paper [1].

References

- [1] Robert A. Herrmann, "Nonstandard topological extensions", *Bull. Austral. Math. Soc.* 13 (1975), 269-290.
- [2] K.D. Stroyan, "Additional remarks on the theory of monads", *Contributions to non-standard analysis*, 245-259 (Studies in Logic and the Foundations of Mathematics, 69. North-Holland, Amsterdam, London, 1972).

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