Commentationes Mathematicae Universitatis Carolinae

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Commentationes Mathematicae Universitatis Carolinae, Vol. 6 (1965), No. 2, 211--212

Persistent URL: http://dml.cz/dmlcz/105011

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6, 2 (1965)

CORRECTION TO "STRUCTURE OF DYNAMICAL SYSTEMS"

Otomar HÁJEK, Praha

In corollary 20 of the title paper (Comment.Math.Univ.Carol. 6,1(1965),53-72) a rather elementary error occurred; there it may be traced to the manifestly incorrect assertion that a locally $T_\wp$ space is T_2. The reader is requested to make the following alterations:

Corollary 20. Let P be open in $P^\wedge$. If P is T_0 or T_1 then so is $P^\wedge$. Assuming $P^\wedge$ is T_2, if P is $T_\wp$ or an n-manifold, then so is $P^\wedge$.

Theorem 25. Let τ be a d system with unicity on an n-manifold P. Then P is open in $P^\wedge$.

Delete theorem 28 completely, and also the last assertion in prop. 29 (i.e. "for every non-critical ... obtain.") Omit the last sentence in the summary, and the very last assertion in the introduction, pp. 53-4.

This re-emphasises the question, under what conditions on τ is $P^\wedge$ a T_2 space whenever P is such (an example may be given wherein P is a 2-manifold and $P^\wedge$ is not T_2). The following assertion exhibits a sufficient condition: If τ is a d system with unicity on P compatible with a T_2 topology $\mathcal{T}$ on P, and if α_x depends continuously on $x \in P$, then the natural topology $\hat{\mathcal{T}}$ on $P^\wedge$ is again T_2 (cf. definition 1(i) and theorem 17). The proof of this will be published elsewhere; and also of the statement that any d system with unicity on a 1-manifold has this property. Thus the assertions of example 30 remain valid.