ERRATUM TO "A GENERAL CLASS OF FACTORS OF E^4"

BY

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It was pointed out by Robert J. Daverman that Lemma 4 of [1] is false. This invalidates the main result, Theorem 1, of that paper. The error manifests itself in §8 with the definition of the homeomorphism G; this G does not satisfy the requirements specified for it. The construction of 4-cells prior to §8 is still valid, and it is hoped that this will be useful in future efforts. Meanwhile, we are left with the following.

Conjecture. *Let* $\{A_i\}$ *be a trivial defining sequence for an upper semicontinuous decomposition* C *of* E^3. *If each* A_i *is a pairwise disjoint, locally finite collection of cubes with handles, then* E^3/C *is a factor of* E^4; *specifically* $(E^3/C) \times E \simeq E^4$.

REFERENCE

1. Leonard R. Rubin, *A general class of factors of* E^4, Trans. Amer. Math. Soc. 166 (1972), 215–224.

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