CORRIGENDUM: A TOPOLOGY ON E-THEORY

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The second sentence of [1, Corollary 4.4] does not follow from the given reference, and we do not know if it is true as stated. What is true is that if $\bar{x} \in [[A, B]]_{\mathrm{Hd}}$ is an isomorphism, then there is an isomorphism $x \in [[A, B]]$ such that $\mathrm{Hd}(x) = \bar{x}$. Indeed, [2, Theorem 1.14] implies every isomorphism in the shape category sh is induced by an isomorphism in the strong shape category $\mathsf{s\text{-}sh}$, and then the result follows from using [1, Theorem 4.3] and [2, Theorem 3.7] to identify these categories with the Hausdorffized asymptotic morphism category $\mathsf{AM}_{\mathrm{Hd}}$ and the asymptotic morphism category AM.

This error has no effect on the rest of the results in the paper.

References

[1] José R. Carrión and Christopher Schafhauser. A topology on E-theory. *J. Lond. Math. Soc. (2)*, 109(6):Paper No. e12917, 32, 2024.

[2] Marius Dadarlat. Shape theory and asymptotic morphisms for C^*-algebras. *Duke Math. J.*, 73(3):687–711, 1994.

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