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In Theorem 1 we claim that “When M is a closed, orientable surface all inclusions are equalities”. The proof of this theorem relies on a result by Boyland and Golé [1] to reduce the general case to the case when the Lagrangian is a Riemannian metric of negative curvature. However, the result by Boyland and Golé is incorrectly cited.

Similarly, the two-dimensional case of Mañé’s problem, the proof of which was only sketched in the first place and relied on Theorem 1, cannot be considered proved in any reasonable way.

References

- [1] P. Boyland and C. Golé, *Lagrangian systems on hyperbolic manifolds*, Ergodic Theory and Dynamical Systems **19** (1999), 1157–1173.