# Addendum to:
# A Bound for the Fixed-Point Index
# of an Area-Preserving Map
# with Applications to Mechanics

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Theorems 1 and 2 in the first half of Simon [3] have been proven independently by N. Nikishin [2]. They had previously been formulated as a hypothesis by A. I. Shnirelman (see [1]) and others.

## References

1. Arnold, V.: An appendix to the Russian translation of Poincaré's works, p. 988. Moscow 1972
2. Nikishin, N.: Fixed points of diffeomorphisms on the two-sphere that preserve area. Funkcional Anal. i Prelozen **8**, 84–85 (1974)
3. Simon, C. P.: A bound for the fixed point index of an area-preserving map with applications to mechanics. Inventiones math. **26**, 187–200 (1974)

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