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In the paper [1], we claimed that the Hamiltonian system in neighborhood of the equilibrium admits either a four-dimensional invariant disc or an invariant set of positive (n+2)-dimensional Lebesgue measure, both invariant sets are foliated by invariant 2-tori carrying quasi-periodic motions.

However, the proof works only for the proof of the existence of a four dimensional set. So the main Theorem in [1] should be corrected by replacing "n + 2 dimensional" with "four dimensional".

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References