

Erratum to: Elimination of extremal index zeroes from generic paths of closed 1-forms

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In the original publication, the theorem number 4 was incorrectly cited as theorem 1, in page 3, below the heading “Theorem 4”. The correct text should read as follows.

The notion of simple equivalence can be found on [14]. The homology of the complex $C_*(\alpha, \partial_*^{\xi, B})$, which we denote by $H_*(M, u)$, only depends on the class u and it is called the *Novikov homology* of the class u . The historical reason is that the first theorem with the flavour of theorem 4 was given by Novikov in his foundational paper [18], which first gave Morse-type inequalities for \mathbb{S}^1 -valued functions $f : M \rightarrow \mathbb{S}^1$. These inequalities are related to a homology theory of an *abelian* cover associated with f . Later, Sikorav proved in [20, Ch. IV] that the homology defined by Novikov is indeed a homology with local coefficients and extended it to *non-abelian* covers.

Latour also proved that $H_*(M, u)$ coincides with the version of Novikov homology on the universal cover defined in Sikorav’s thesis.

Further versions of theorem 4 can be found on [19, Ch. 14, Th. 2.2 and Th. 2.4] and on [4, Th. 3.1].

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