

**Majer, Pietro**

**Two variational methods on manifolds with boundary.** (English) Zbl 0819.58003  
Topology 34, No. 1, 1-12 (1995).

The reviewing article deals with a twofold extension of the classical deformation lemma in the calculus of variations to the setting of infinite-dimensional manifolds with boundary. Such extension of the deformation lemmas is motivated by an attempt to overcome difficulties arising when using the classical Lyusternik-Schnirelman theory in the applications. Concerning the prerequisites and the basic results the author refers to the fundamental works of *R. S. Palais* [ibid. 2, 299-340 (1963; [Zbl 0122.107](#)) and ibid. 5, 115-132 (1966; [Zbl 0143.352](#))].

Reviewer: [B.V.Loginov](#) (Ulyanovsk)

**MSC:**

[58E05](#) Abstract critical point theory (Morse theory, Lyusternik-Shnirel'man theory, etc.) in infinite-dimensional spaces Cited in **6** Documents

**Keywords:**

[calculus of variations](#); [infinite-dimensional manifolds](#); [boundary](#); [Ljusternik-Shnirelman theory](#)

**Full Text:** [DOI](#)