Liu, Hui; Wang, Yuchen
Multiplicity of non-contractible closed geodesics on Finsler compact space forms. (English)
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The authors establish multiplicity results for non-contractible closed geodesics on certain Finsler manifolds by using the Fadell-Rabinowitz index theory.

Reviewer: Dumitru Motreanu (Perpignan)

MSC:
53C22 Geodesics in global differential geometry
58E05 Abstract critical point theory (Morse theory, Lyusternik-Shnirel’man theory, etc.) in infinite-dimensional spaces
58E10 Variational problems in applications to the theory of geodesics (problems in one independent variable)
53C60 Global differential geometry of Finsler spaces and generalizations (areal metrics)

Keywords:
closed geodesics; Finsler manifold; Betti number; free loop space; Morse theory

Full Text: DOI arXiv

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