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Mechanical systems with closed orbits on manifolds of revolution. (English. Russian original)

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MSC:

70H12 Periodic and almost periodic solutions for problems in Hamiltonian and Lagrangian mechanics

31C12 Potential theory on Riemannian manifolds and other spaces

70G45 Differential geometric methods (tensors, connections, symplectic, Poisson, contact, Riemannian, nonholonomic, etc.) for problems in mechanics

Keywords:

Bertrand Riemannian manifold; surface of revolution; equator; Tannery manifold; Maupertius' principle

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