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Periodic Solutions of Hamiltonian Systems

Ding, Yan-Heng; Lee, Cheng

## Abstract

Two sequences of periodic solutions with large and small norms, respectively, are obtained for Hamiltonian systems of the type  $-J\dot{z} = \xi F z(t, z) + \eta G z(t, z)$ , where F is superquadratic at  $2 = \infty$  and G is subquadratic at z = 0.

Key words : Hamiltonian system; Periodic solution; Variational method