

Cordaro, Giuseppe**Three periodic solutions to an eigenvalue problem for a class of second-order Hamiltonian systems.** (English) [Zbl 1093.34019](#)

Abstr. Appl. Anal. 2003, No. 18, 1037-1045 (2003).

The author studies the eigenvalue problem related to second-order Hamiltonian systems. The main result gives a sufficient condition for the existence of an open interval of positive eigenvalues in which the problem admits three distinct periodic solutions.

Reviewer: [Klaudiusz Wójcik \(Kraków\)](#)**MSC:**[34C25](#) Periodic solutions to ordinary differential equations[34B15](#) Nonlinear boundary value problems for ordinary differential equations[37J45](#) Periodic, homoclinic and heteroclinic orbits; variational methods, degree-theoretic methods (MSC2010)Cited in **9** Documents**Keywords:**[Hamiltonian systems](#); [eigenvalue problem](#); [periodic solutions](#)**Full Text:** [DOI](#) [EuDML](#)