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Hongbin Chen (hbchen@mail.xjtu.edu.cn), Department of Mathematics, Xian Jiaotong University, Xian, Shaanxi, Peoples Rep of China, and **Yi Li*** (yi-li@uiowa.edu), Department of Mathematics, University of Iowa, Iowa City, IA 52242. *Rate of Decay of Stable Periodic Solutions of Duffing Equations.*

In this paper, we consider the second-order equations of Duffing type. Bounds for the derivative of the restoring force are given that ensure the existence and uniqueness of a periodic solution. Furthermore, the stability of the unique periodic solution is analyzed; the sharp rate of exponential decay is determined for a solution that is near to the unique periodic solution.

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