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Bourama Toni* (btoni@vsu.edu), Virginia State University, Department of Mathematics & Computer Science, Petersburg, VA 23806. *Almost and Pseudo-almost Limit Cycles for Differential Systems.*

We introduce the concepts of Almost and Pseudo-almost Limit Cycles, and determine the conditions of their existence, uniqueness, stability and bifurcation, as well as the existence of the related isochrons, for planar differential systems. In application we study a class of almost and pseudo-almost periodically forced Lienard systems (Received September 14, 2010)