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A NEW APPROACH TO STABILITY THEORY OF IMPULSIVE FUNCTIONAL DIFFERENTIAL SYSTEMS

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Abstract

In this work, a new approach to stability theory of impulsive functional differential equations is proposed. In the study of stability theory for delay differential equations using Lyapunov functions and the theory of differential inequalities, it is necessary to choose an appropriate minimal class of functions relative to which D+V(t; (0);) is estimated [3].