



Elements of Stability Theory of A.M. Liapunov for Dynamic Equations on Time Scales

(Devoted to the 150th birthday of A.M. Liapunov)

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Abstract: Stability of dynamic equations on time scales is investigated in this paper. The main results are new conditions for stability, uniform stability, and uniform asymptotic stability of quasilinear and nonlinear systems.

Keywords: *Dynamic equation on time scales; stability; uniform stability; asymptotic stability; nonlinear integral inequality; Liapunov functions.*

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