



# Conditions of Ultimate Boundedness of Solutions for a Class of Nonlinear Systems

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Received: May 12, 2007; Revised: March 13, 2008

**Abstract:** A class of nonlinear differential equations systems is considered. An approach for the construction of Lyapunov's functions for these systems is suggested. By the use of functions constructed the conditions of ultimate boundedness of solutions for systems investigated are obtained.

**Keywords:** *Nonlinear systems; Lyapunov's functions; ultimate boundedness; large scale systems.*

**Mathematics Subject Classification (2000):** 34D20, 93D20, 93D30.