



Volume 9, Issue 1, Article 15

New Result in the Ultimate Boundedness of Solutions of a Third-Order Nonlinear Ordinary Differential Equation

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Keywords: Differential equations of third order, Boundedness.
Date Received: 26/03/2007
Date Accepted: 15/01/2008
Subject Codes: Pri: 34C11; Sec: 34B15.
Editors: [Sever S. Dragomir](#),

Abstract: Sufficient conditions are established for the ultimate boundedness of solutions of certain third-order nonlinear differential equations. Our result improves on Tunc's [C. Tunc, Boundedness of solutions of a third-order nonlinear differential equation, J. Inequal. Pure and Appl. Math., 6(1) Art. 3,2005,1-6].



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