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Boundedness of Solutions of a Third-Order Nonlinear Differential Equation

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Abstract: Sufficient conditions are established for the boundedness of all solutions of (1.1), and we also present some sufficient conditions, which ensure that the limits of first and second order derivatives of the solutions of (1.1) tend to zero as $t \rightarrow \infty$. Our results improve and include those results obtained by previous authors ([3], [5]).



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