

EXTENSIBILITY AND BOUNDEDNESS OF SOLUTIONS OF SECOND ORDER NONLINEAR DIFFERENTIAL EQUATIONS

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Abstract. Extensibility, boundedness, and monotonicity of solutions for a class of second order nonlinear differential equations are investigated. Sufficient conditions for extensibility and necessary and sufficient conditions for boundedness of all solutions are established.

Keywords. Nonlinear differential equations, second order, boundedness, monotonicity, extensibility.

AMS (MOS) subject classification: 34C11, 34C12.

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