

Oscillation of even-order nonlinear differential equations with sublinear and superlinear neutral terms

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Abstract. This paper is concerned with the oscillatory behavior of solutions to a class of even-order nonlinear differential equations with sublinear and superlinear neutral terms. The results are obtained by a comparison with first-order delay differential equations whose oscillatory characters are known as well as by an integral criteria. Examples are provided to illustrate the main results.

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