

OSCILLATION OF THIRD-ORDER QUASI-LINEAR ADVANCED DIFFERENTIAL EQUATIONS

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Abstract. The objective of this paper is to study asymptotic properties of the third-order advanced differential equation

$$\left[r(t) [x''(t)]^\gamma \right]' + q(t)x^\gamma[\tau(t)] = 0. \quad (E)$$

We offer new oscillation criteria that really take into account the advanced argument. Some examples are also provided to illustrate the relevance of the main results.

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