

OSCILLATION AND NONOSCILLATION PROPERTIES OF SOLUTIONS OF THIRD ORDER LINEAR NEUTRAL DIFFERENTIAL EQUATIONS

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ABSTRACT

In this paper some necessary and sufficient conditions of third order neutral differential equations are obtained to insure the oscillation of all solutions or converge to zero or tends to infinity as $t \rightarrow \infty$. Some examples are given to illustrate the obtained results.

KEYWORDS: Oscillation, Neutral Differential Equations