

**SOME OSCILLATION THEOREMS FOR SECOND ORDER
NEUTRAL DIFFERENCE EQUATIONS**

**S. LOURDU MARIAN, M. RENI SAGAYA RAJ
AND A. GEORGE MARIA SELVAM**

Abstract

In this paper, oscillatory behavior of solutions of second order neutral difference equation is investigated. The second order difference equation is reduced to first order difference equation and to obtain the main results in this paper, first order difference inequalities are used.

Key Words : *Oscillation, Neutral, Difference equations.*

AMS Subject Classification : 39A10, 39A11.

© <http://www.ascent-journals.com>