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**Disconjugacy, disfocality, and oscillation of second order difference equations.** (English)

Zbl 0791.39001

J. Differ. Equations 107, No. 2, 383-394 (1994).

There are given necessary and sufficient conditions for the disconjugacy, disfocality and oscillation, respectively, of the equation  $\Delta(r_n \Delta x_n) + p_n x_{n+1} = 0$  for  $n = 0, 1, 2, \dots$ , real  $p_n$  and  $r_n > 0$ . The conditions are given explicitly in terms of the coefficients in the equation.

Reviewer: L.Berg (Rostock)

**MSC:**

39A10 Additive difference equations

Cited in **37** Documents

**Keywords:**

linear difference equation; disconjugacy; disfocality; oscillation

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