

**Zhang, B. G.; Yan, Pengxiang**

**Classification of solutions of delay difference equations.** (English) Zbl 0809.39003  
Int. J. Math. Math. Sci. 17, No. 3, 619-623 (1994).

The paper contains a classification of solutions of delay difference equations

$$\Delta^2 y_n = P_n y_{n-m}, \quad y_n = A_n \quad \text{for} \quad n = N - (m + 1), \dots, N - 1,$$

where  $A_n$ ,  $n = N - (m + 1), \dots, N - 1$  are given and  $m$  is a positive integer.

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**MSC:**

[39A10](#) Additive difference equations

**Keywords:**

delay difference equations; oscillation; bounded solutions

**Full Text:** [DOI](#) [EuDML](#)