

Henderson, J.

Positive solutions for nonlinear difference equations. (English) Zbl 0883.39002
Nonlinear Stud. 4, No. 1, 29-36 (1997).

The author determines the values of λ for which the nonlinear difference equation

$$\Delta^2 x(t-1) + \lambda \alpha(t) f(x(t)) = 0, \quad 1 \leq t \leq T+1$$

has positive solutions, subject to appropriate boundary conditions.

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MSC:

[39A10](#) Additive difference equations
[39A12](#) Discrete version of topics in analysis

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Keywords:

[positive solutions](#); [nonlinear difference equations](#)