Abstract

In this difference equation, Stability, Periodicity, boundedness, global Stability.

We investigate some qualitative behavior of the solutions of the difference equation \( \frac{1}{x_{n+1}} \) where the initial conditions \( x_0, x_1 \) are arbitrary positive real numbers such that \( x_0, x_1 \) where \( a \) and \( b \) are positive constants.

References


Index Terms

Computer Science  Applied Mathematics

Keywords

Difference equation, Stability, Periodicity, Boundedness