

# Abstract

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## **Review Article On Difference Equations**

Difference equations and discrete dynamical systems represent two sides of the same coin. Difference equations are the analytic theory of the subject, while discrete dynamical systems are the geometrical and topological aspects of the subject. Difference equations arise frequently in the study of biological models, also difference equations arise in the numerical integration of differential equations by finite-difference schemes. A particular interest is to know whether a solution oscillates around an equilibrium point, it turns out that many of the substantial criteria for differential equations have discrete analogues. Conditions for asymptotic behaviour are given.