

APPLIED DYNAMICS GROUP SEMINAR

Chaos of The Logistic Equation With Piecewise Constant Argument

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Abstract: In this study, we investigate the properties of different types of the logistic equations with Piecewise constant argument. In some of our models anticipatory assumption is involved via the deviating function $[t+1]$. By using transformations of the dependent and independent variables convenient discrete equations are obtained. We use certain parameter values of discrete equations to prove the chaos and intermittency of continuous solutions. Basic plots of the continuous solutions are given to show the results.

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