Discrete Dynamical Systems and Difference Equations with Mathematica

By Mustafa R.S. Kulenovic, Orlando Merino audiobook | *ebooks | Download PDF | ePub | DOC



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Following the work of Yorke and Li in 1975 the theory of discrete dynamical systems and difference equations developed rapidly The applications of difference equations also grew rapidly especially with the introduction of graphical interface software that can plot trajectories calculate Lyapunov exponents plot bifurcation diagrams and find basins of attraction Modern computer algebra systems have opened the door to the use of symbolic calculation for study Several tutorials and example sessions with Dynamica are effectively woven into the main text and the package is straightforward to use a good resource and supplementary text CHOICE

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