

asymptotic behavior and stability pdf

Asymptotic Behavior and Stability of Stochastic SIR Model with Variable Diffusion Rates Xianhua Xie¹, Li Ma^{1,2}, Jingfei Xu^{1*} ¹Key Laboratory of Jiangxi Province for Numerical Simulation and Emulation Techniques, Gannan Normal University, Ganzhou, China ² ...

Asymptotic Behavior and Stability of Stochastic SIR Model

Asymptotic behavior of positive solutions as $m \rightarrow \infty$ In this section, we mainly study the asymptotic behavior of positive solutions of (1.1) when m goes to infinity. These asymptotic properties will play an important role in investigating the number and stability of positive solutions for large m in the following section.

Asymptotic behavior and stability of positive solutions to

Stability and asymptotic behavior of difference equations $\in \mathbb{R}^n$ Rigoberto Medina Departamento de Ciencias Exactas, Universidad de Los Lagos, Casilla 933, Osorno, Chile Received 8 February 1996 Abstract The concept of h -stability is studied and compared with the classical stabilities. Basically, the h -stability is applied to

Stability and asymptotic behavior of difference equations $\in \mathbb{R}^n$

Chapter 10 Stability and Asymptotic Behavior of Solutions The stability analysis for scalar boundary-value problems is extended to coupled system of two equations where the reaction function is quasimonotone

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Asymptotic Behavior and Stability of Solutions of Semilinear Diffusion Equations By Hiroshi MATANO* \S 1. Introduction This paper is divided into two chapters. In the first chapter (\S 2 \wedge \S 4) we study the asymptotic behavior of solutions of semilinear diffu-

Asymptotic Behavior and Stability of Solutions of

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Asymptotic behavior and orbital stability of galactic dynamics

developed by Alekseev [1] has been applied to the study of stability and asymptotic behavior of nonlinear systems in [2-5, 8, 9, 11]. The Alekseev formula gives a comparison between the solutions of (1.1) and the solutions of (1.2). Theorem 1 below investigates that the stability and asymptotic

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Stability and asymptotic behavior of difference equations

Title: Asymptotic Behavior and Stability Problems in Ordinary Differential Equations, Issue 16, Part 1
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proceedings of the american mathematical society volume 39, number 1, june 1973 stability implications on the asymptotic behavior of second

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Chapter VII Stability and Asymptotic Behavior

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L^1 stability for all $p \geq 2$ and dimensions $d \geq 1$ and nonlinear L^1 stability and L^2 -asymptotic behavior for $p \geq 2$ and $d \geq 3$. The behavior can in general be rather complicated, involving both convective (i.e., wave-like) and diffusive effects.

Stability and asymptotic behavior of periodic traveling

216 V.V. VLASOV time-lag. Moreover, we establish results for asymptotic behavior and the stability of the solutions of the above-mentioned equations.

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