

Structural Stability Solution Manual

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features a balance between theory proofs and examples and provides applications across diverse fields of study ordinary differential equations presents a thorough discussion of first order differential equations and progresses to equations of higher order

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this textbook is aimed at newcomers to nonlinear dynamics and chaos especially students taking a first course in the subject the presentation stresses analytical methods concrete examples and geometric intuition the theory is developed systematically starting with first order differential equations and their bifurcations followed by phase plane analysis limit cycles and their bifurcations and culminating with the lorenz equations chaos iterated maps period doubling renormalization fractals and strange attractors

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