



Stability Theory of Differential Equations (Paperback)

By Richard Bellman

Dover Publications Inc., United States, 2008. Paperback. Condition: New. Dover. Language: English . Brand New Book. Suitable for advanced undergraduates and graduate students, this was the first English-language text to offer detailed coverage of boundedness, stability, and asymptotic behavior of linear and nonlinear differential equations. It remains a classic guide, featuring material from original research papers, including the author's own studies. The linear equation with constant and almost-constant coefficients receives in-depth attention that includes aspects of matrix theory. No previous acquaintance with the theory is necessary, since author Richard Bellman derives the results in matrix theory from the beginning. In regard to the stability of nonlinear systems, results of the linear theory are used to drive the results of Poincare and Liapounoff. Professor Bellman then surveys important results concerning the boundedness, stability, and asymptotic behavior of second-order linear differential equations. The final chapters explore significant nonlinear differential equations whose solutions may be completely described in terms of asymptotic behavior. Only real solutions of real equations are considered, and the treatment emphasizes the behavior of these solutions as the independent variable increases without limit.

DOWNLOAD



READ ONLINE

[4.89 MB]

Reviews

Absolutely essential go through pdf. Yes, it is actually play, nevertheless an amazing and interesting literature. You are going to like how the article writer compose this book.

-- **Pinkie O'Hara**

This pdf is amazing. It really is rally exciting throug looking at time. I am easily could possibly get a satisfaction of looking at a created publication.

-- **Patience Bechtelar**