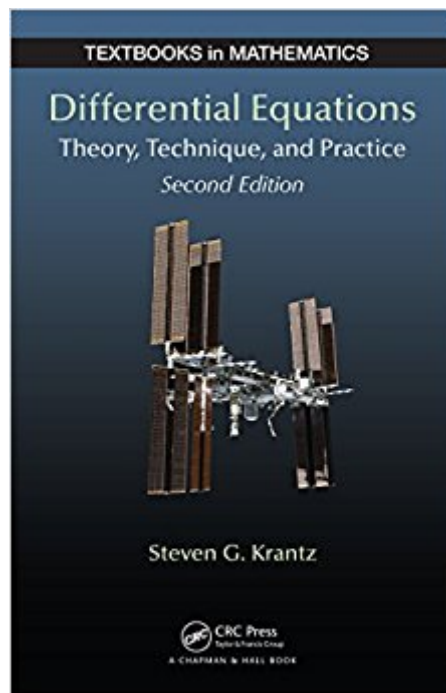




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# Differential Equations: Theory, Technique And Practice, Second Edition (Textbooks In Mathematics)



## Synopsis

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Designed for a one- or two-semester undergraduate course, *Differential Equations: Theory, Technique and Practice*, Second Edition educates a new generation of mathematical scientists and engineers on differential equations. This edition continues to emphasize examples and mathematical modeling as well as promote analytical thinking to help students in future studies.  
New to the Second Edition  
Improved exercise sets and examples  
Reorganized material on numerical techniques  
Enriched presentation of predator-prey problems  
Updated material on nonlinear differential equations and dynamical systems  
A new appendix that reviews linear algebra  
In each chapter, lively historical notes and mathematical nuggets enhance students' reading experience by offering perspectives on the lives of significant contributors to the discipline. "Anatomy of an Application" sections highlight rich applications from engineering, physics, and applied science. Problems for review and discovery also give students some open-ended material for exploration and further learning.

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