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Differential Equations: An Introduction to Modern Methods and Applications. 3rd Edition. by James R. Brannan (Author), William E. Boyce (Author) 3.5 out of 5 stars 31 ratings. ISBN-13: 978-1118531778.

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An equation that involves one or more derivatives of an unknown

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function is called a differential equation. The order of the highest derivative included in a differential equation defines the order of this equation. the order of the highest derivative is 1 (y') so the order of this differential equation is 1.

Introduction to Differential Equations

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An ordinary differential equation (ODE) is an equation that involves some ordinary derivatives (as opposed to partial derivatives) of a function. Often, our goal is to solve an ODE, i.e., determine what function or functions satisfy the equation.

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Overview. Brannan/Boyce's Differential Equations: An Introduction to Modern Methods and Applications, 3rd Edition is consistent with the way engineers and scientists use mathematics in their daily work. The text emphasizes a systems approach to the subject and integrates the use of modern computing technology in the context of contemporary applications from engineering and science.

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