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+ 2 = 0 .

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otherwise. For example, $Lu := a_{11}u$

Partial Differential Equations

An introduction to nonlinear partial differential equations / J. David Logan. - 2nd ed. Includes bibliographical references and index. ISBN 978-0-470-22595-0 (cloth : acid-free paper)

An Introduction to Nonlinear Partial Differential Equations

A Partial Differential Equation commonly denoted as PDE is a differential equation containing partial derivatives of the dependent variable (one or more) with more than one independent variable. A PDE for a function $u(x_1, \dots, x_n)$ is an equation of the form The PDE is said to be linear if f is a linear function of u and its derivatives.

Partial Differential Equations (Definition, Types & Examples)

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