



# Numerical Treatment of Partial Differential Equations (Universitext)

*Christian Grossmann, Hans-G. Roos, Martin Stynes*

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**Numerical Treatment of Partial Differential Equations (Universitext)** Christian Grossmann, Hans-G. Roos, Martin Stynes

This book deals with discretization techniques for partial differential equations of elliptic, parabolic and hyperbolic type. It provides an introduction to the main principles of discretization and gives a presentation of the ideas and analysis of advanced numerical methods in the area. The book is mainly dedicated to finite element methods, but it also discusses difference methods and finite volume techniques.

Coverage offers analytical tools, properties of discretization techniques and hints to algorithmic aspects. It also guides readers to current developments in research.

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