



## An Elementary Course in Partial Differential Equations, Second Edition

By T. Amaranath

Narosa Publishing House, 2014. Softcover. Book Condition: New. 5th or later edition. 15 x 24 cm. The long awaited second edition of this very successful textbook for graduate students covers the study of first and second order of Partial Differential Equations. This may also be used by persons preparing for CSIR/UGC, GATE and UPSC examinations. New to this edition: | Improved presentation | Additional exercises and worked examples at the end of each section with solutions | Also useful for students of Engineering and Physics Table of Contents Preface / Preface to the Second Edition / First Order P.D.E. / Curves and Surfaces / Genesis of First Order P.D.E. / Classification of Integrals / Linear Equations of the First Order Pfaffian Differential Equations / Compatible Systems / Charpit's Method / Jacobi's Method / Integral Surface Through a Given Curve / Quasi-Linear Equations / Non-Linear First Order P.D.E. / Second Order P.D.E / Genesis of Second Order P.D.E. / Classification of Second Order P.D.E. / One Dimensional Wave Equation / Vibrations of an Infinite String / Vibrations of a Semi-infinite String / Vibrations of a String of Finite Length / Riemann's Method / Vibrations of a String of Finite Length (Method...

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