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Nota di contenuto	Complex Analysis -- Variational Calculus -- Ordinary differential equations -- Fourier Series -- Integral transforms -- Partial differential equations.
Sommario/riassunto	This textbook is based on lectures for a third-year course on mathematical methods in physics taught in the Department of Physics at the University of Oslo. This textbook contains 26 lectures organized into five topics: i) Complex Analysis, ii) Variational Calculus, iii) Ordinary Differential Equations, iv) Integral Transformations, and v) Partial Differential Equations. For each topic, basic fundamental theorems and mathematical techniques are introduced and applied to solving problems. This resource is intended as concise and well-structured, making it suitable for a one-semester course. It is aimed at second- or third-year undergraduate students with background in mathematics and physical science.