1. Record Nr. UNINA9910814766203321

Autore	Yu Xiaoqi
Titolo	Macrocyclic polyamines : synthesis and applications / / Xiaoqi Yu and Ji Zhang
Pubbl/distr/stampa	Weinheim, Germany : , : Wiley-VCH, , 2018 ©2018
ISBN	3-527-80413-7 3-527-80412-9 3-527-80410-2
Descrizione fisica	1 online resource (228 pages) : illustrations
Disciplina	612.0157
Soggetti	Polyamines Polyamines - Synthesis Macrocyclic compounds
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.

2. Record Nr. UNINA9910770248903321

Autore	Taylor Michael E
Titolo	Partial Differential Equations I : Basic Theory / / by Michael E. Taylor
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	3-031-33859-6
Edizione	[3rd ed. 2023.]
Descrizione fisica	1 online resource (734 pages)
Collana	Applied Mathematical Sciences, , 2196-968X ; ; 115
Disciplina	515/.353
Soggetti	Differential equations Manifolds (Mathematics) Differential Equations Manifolds and Cell Complexes Equacions diferencials funcionals Varietats (Matemàtica) Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Contents of Volumes II and III -- Preface -- 1 Basic Theory of ODE and Vector Fields -- 2 The Laplace Equation and Wave Equation -- 3 Fourier Analysis, Distributions, and Constant-Coefficient Linear PDE -- 4 Sobolev Spaces -- 5 Linear Elliptic Equation -- 6 Linear Evolution Equations -- A Outline of Functional Analysis -- B Manifolds, Vector Bundles, and Lie Groups -- Index. .
Sommario/riassunto	The first of three volumes on partial differential equations, this one introduces basic examples arising in continuum mechanics, electromagnetism, complex analysis and other areas, and develops a number of tools for their solution, in particular Fourier analysis, distribution theory, and Sobolev spaces. These tools are then applied to the treatment of basic problems in linear PDE, including the Laplace equation, heat equation, and wave equation, as well as more general elliptic, parabolic, and hyperbolic equations. The book is targeted at graduate students in mathematics and at professional mathematicians with an interest in partial differential equations, mathematical physics, differential geometry, harmonic analysis, and complex analysis. The

third edition further expands the material by incorporating new theorems and applications throughout the book, and by deepening connections and relating concepts across chapters. In includes new sections on rigid body motion, on probabilistic results related to random walks, on aspects of operator theory related to quantum mechanics, on overdetermined systems, and on the Euler equation for incompressible fluids. The appendices have also been updated with additional results, ranging from weak convergence of measures to the curvature of Kahler manifolds. Michael E. Taylor is a Professor of Mathematics at the University of North Carolina, Chapel Hill, NC. Review of first edition: “These volumes will be read by several generations of readers eager to learn the modern theory of partial differential equations of mathematical physics and the analysis in which this theory is rooted.” (Peter Lax, SIAM review, June 1998).