

1. Record Nr.	UNISA990006023180203316
Titolo	Linguaggio e sistematica nella prospettiva di un romanista : atti della giornata di studi in onore del prof. Lelio Lantella (Torino, 22 marzo 2013) / a cura di Saverio Masuelli e Lucia Zandrino
Pubbl/distr/stampa	Napoli : Edizioni Scientifiche Italiane, 2014
ISBN	978-88-495-2887-9
Descrizione fisica	IX, 290 p. ; 24 cm
Collana	Quaderni del Dipartimento di giurisprudenza dell'Università di Torino . N.S. ; 28
Disciplina	340.14
Soggetti	Diritto romano - Linguaggio [per] Giuristi
Collocazione	XXII.2.D. 498
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNINA9910890173803321
Autore	Alazard Thomas
Titolo	Analysis and Partial Differential Equations / / by Thomas Alazard
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	3-031-70909-8
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (439 pages)
Collana	Universitext, , 2191-6675
Disciplina	515.35
Soggetti	Differential equations Functional analysis Fourier analysis Differential Equations Functional Analysis Fourier Analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part I Functional Analysis -- 1 Topological Vector Spaces -- 2 Fixed Point Theorems -- 3 Hilbertian Analysis, Duality and Convexity -- Part II Harmonic Analysis -- 4 Fourier Series -- 5 Fourier Transform -- 6 Convolution -- 7 Sobolev Spaces -- 8 Harmonic Functions -- Part III Microlocal Analysis -- 9 Pseudo-Differential Operators -- 10 Symbolic Calculus -- 11 Hyperbolic Equations -- 12 Microlocal Singularities -- Part IV Analysis of Partial Differential Equations -- 13 The Calderón Problem -- 14 De Giorgi's Theorem -- 15 Schauder's Theorem -- 16 Dispersive Estimates -- Part V Recap and Solutions to the Exercises -- 17 Recap on General Topology -- 18 Inequalities in Lebesgue Spaces -- 19 Solutions.
Sommario/riassunto	This textbook provides a modern introduction to advanced concepts and methods of mathematical analysis. The first three parts of the book cover functional analysis, harmonic analysis, and microlocal analysis. Each chapter is designed to provide readers with a solid understanding of fundamental concepts while guiding them through detailed proofs of significant theorems. These include the universal approximation property for artificial neural networks, Brouwer's domain invariance theorem, Nash's implicit function theorem, Calderón's reconstruction

formula and wavelets, Wiener's Tauberian theorem, Hörmander's theorem of propagation of singularities, and proofs of many inequalities centered around the works of Hardy, Littlewood, and Sobolev. The final part of the book offers an overview of the analysis of partial differential equations. This vast subject is approached through a selection of major theorems such as the solution to Calderón's problem, De Giorgi's regularity theorem for elliptic equations, and the proof of a Strichartz–Bourgain estimate. Several renowned results are included in the numerous examples. Based on courses given successively at the École Normale Supérieure in France (ENS Paris and ENS Paris-Saclay) and at Tsinghua University, the book is ideally suited for graduate courses in analysis and PDE. The prerequisites in topology and real analysis are conveniently recalled in the appendix.
