

1. Record Nr.	UNINA9910299767603321
Autore	Cannarsa Piermarco
Titolo	Introduction to Measure Theory and Functional Analysis // by Piermarco Cannarsa, Teresa D'Aprile
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-17019-8
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (XIV, 314 p. 8 illus., 1 illus. in color.)
Collana	La Matematica per il 3+2, , 2038-5722 ; ; 89
Disciplina	510
Soggetti	Measure theory Functional analysis Probabilities Economics, Mathematical Mathematical physics Physics Measure and Integration Functional Analysis Probability Theory and Stochastic Processes Quantitative Finance Mathematical Applications in the Physical Sciences Mathematical Methods in Physics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	1 Part I Measure and Integration -- 2 Part II Functional Analysis -- 3 Part III Selected Topics -- 4 Appendices -- 5 Index.
Sommario/riassunto	This book introduces readers to theories that play a crucial role in modern mathematics, such as integration and functional analysis, employing a unifying approach that views these two subjects as being deeply intertwined. This feature is particularly evident in the broad range of problems examined, the solutions of which are often supported by generous hints. If the material is split into two courses, it can be supplemented by additional topics from the third part of the book, such as functions of bounded variation, absolutely continuous

functions, and signed measures. This textbook addresses the needs of graduate students in mathematics, who will find the basic material they will need in their future careers, as well as those of researchers, who will appreciate the self-contained exposition which requires no other preliminaries than basic calculus and linear algebra.

---