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	Nota di contenuto	Frontmatter -- Preface -- Contents -- 1. basic topology -- 2. measure theory -- 3. basic functional analysis -- 4. banach spaces of functions and measures -- 5. convex functions - nonsmooth analysis -- 6. nonlinear analysis -- Bibliography -- Index -- List of symbols
	Sommario/riassunto	The aim of this book is to provide a concise but complete introduction to the main mathematical tools of nonlinear functional analysis, which are also used in the study of concrete problems in economics, engineering, and physics. This volume gathers the mathematical background needed in order to conduct research or to deal with theoretical problems and applications using the tools of nonlinear functional analysis. Contents Basic Topology Measure Theory Basic Functional Analysis Banach Spaces of Functions and Measures Convex Functions - Nonsmooth Analysis Nonlinear Analysis