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	Titolo	The Theory of Nilpotent Groups / / by Anthony E. Clement, Stephen Majewicz, Marcos Zyman
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Birkhäuser, , 2017
	ISBN	3-319-66213-9
	Edizione	[1st ed. 2017.]
	Descrizione fisica	1 online resource (XVII, 307 p.)
	Disciplina	512.2
	Soggetti	Group theory
		Associative rings
		Rings (Algebra)
		Topological groups
		Lie groups
		Group Theory and Generalizations
		Associative Rings and Algebras
		Topological Groups, Lie Groups
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	Commutator Calculus -- Introduction to Nilpotent Groups -- The Collection Process and Basic Commutators -- Normal Forms and Embeddings -- Isolators, Extraction of Roots, and P-Localization -- "The Group Ring of a Class of Infinite Nilpotent Groups" by S. A. Jennings -- Additional Topics.
	Sommario/riassunto	This monograph presents both classical and recent results in the theory of nilpotent groups and provides a self-contained, comprehensive reference on the topic. While the theorems and proofs included can be found throughout the existing literature, this is the first book to collect them in a single volume. Details omitted from the original sources, along with additional computations and explanations, have been added to foster a stronger understanding of the theory of nilpotent groups and the techniques commonly used to study them. Topics discussed include collection processes, normal forms and embeddings, isolators, extraction of roots, P-localization, dimension subgroups and Lie

algebras, decision problems, and nilpotent groups of automorphisms. Requiring only a strong undergraduate or beginning graduate background in algebra, graduate students and researchers in mathematics will find The Theory of Nilpotent Groups to be a valuable resource.