

1. Record Nr.	UNINA990009437460403321
Autore	Catalano, Giuseppe <1888-1981>
Titolo	Tre anni di attività (1949, 1950, 1951) / [Giuseppe Catalano]
Pubbl/distr/stampa	Napoli : IGEA, 1957
Descrizione fisica	16 p., 7 c. di tav. : ill. ; 25 cm
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Collocazione	60 DONO CATALANO 112/8 60 DONO CATALANO 113/7
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Note generali	Estr. da: Delpinoa. n.s. Bullettino dell'Istituto ed Orto botanico dell'Università di Napoli, vol. 4 tomo 31 In testa al front.: Stazione sperimentale per le piante officinali

2. Record Nr.	UNINA9910299768303321
Autore	Slinko A. M (Arkadii M.)
Titolo	Algebra for Applications : Cryptography, Secret Sharing, Error-Correcting, Fingerprinting, Compression / / by Arkadii Slinko
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-21951-0
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (XIV, 328 p. 5 illus., 1 illus. in color.)
Collana	Springer Undergraduate Mathematics Series, , 2197-4144
Disciplina	512.9
Soggetti	Algebra Computer science - Mathematics Discrete mathematics Mathematical Applications in Computer Science Discrete Mathematics
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Nota di contenuto	Integers -- Cryptology -- Groups -- Fields -- Polynomials -- Secret Sharing -- Error-Correcting Codes -- Compression -- Appendix A: GAP -- Appendix B: Miscellanies -- Solutions to Exercises.
Sommario/riassunto	This book examines the relationship between mathematics and data in the modern world. Indeed, modern societies are awash with data which must be manipulated in many different ways: encrypted, compressed, shared between users in a prescribed manner, protected from an unauthorised access and transmitted over unreliable channels. All of these operations can be understood only by a person with knowledge of basics in algebra and number theory. This book provides the necessary background in arithmetic, polynomials, groups, fields and elliptic curves that is sufficient to understand such real-life applications as cryptography, secret sharing, error-correcting, fingerprinting and compression of information. It is the first to cover many recent developments in these topics. Based on a lecture course given to third-year undergraduates, it is self-contained with numerous worked examples and exercises provided to test understanding. It can additionally be used for self-study.

