1.	Record Nr.	UNISALENTO991003627259707536
	Autore	Candelpergher, Bernard
	Titolo	Ramanujan summation of divergent series [e-book] / by Bernard Candelpergher
	Pubbl/distr/stampa	Cham : Springer, 2017
	ISBN	9783319636306 9783319636290
	Descrizione fisica	1 online resource (xxiii, 195 p.) : illustrations
	Collana	Lecture notes in mathematics, 0075-8434 ; 2185
	Classificazione	LC QA295 AMS 40-02
	Disciplina	515.24
	Soggetti	Functions of complex variables Sequences (Mathematics) Number theory
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	Introduction: The Summation of Series -- 1 Ramanujan Summation -- 3 Properties of the Ramanujan Summation -- 3 Dependence on a Parameter -- 4 Transformation Formulas -- 5 An Algebraic View on the Summation of Series -- 6 Appendix -- 7 Bibliography -- 8 Chapter VI of the Second Ramanujan's Notebook
	Sommario/riassunto	The aim of this monograph is to give a detailed exposition of the summation method that Ramanujan uses in Chapter VI of his second Notebook. This method, presented by Ramanujan as an application of the Euler-MacLaurin formula, is here extended using a difference equation in a space of analytic functions. This provides simple proofs of theorems on the summation of some divergent series. Several examples and applications are given. For numerical evaluation, a formula in terms of convergent series is provided by the use of Newton interpolation. The relation with other summation processes such as those of Borel and Euler is also studied. Finally, in the last chapter, a purely algebraic theory is developed that unifies all these summation processes. This monograph is aimed at graduate students and researchers who have a basic knowledge of analytic function theory

2. Record Nr.	UNINA9910736002003321
Autore	Citalatcumi Ve
Titolo	Homomorphic Encryption for Financial Cryptography : Recent Inventions and Challenges / / edited by V. Seethalakshmi, Rajesh Kumar Dhanaraj, S. Suganyadevi, Mariya Ouaissa
Pubbl/distr/stampa	Cham : , , : Springer International Publishing : , , : Imprint : Springer, , 2023
ISBN	9783031355356
	3031355350
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (302 pages)
Altri autori (Persone)	DhanarajRajesh Kumar
	SuganyadeviS
	OuaissaMariya
Disciplina	005.824
Soggetti	Data protection
	Financial engineering
	Cryptography
	Data encryption (Computer science)
	Data protection - Law and legislation
	Data and Information Security
	Financial Technology and Innovation
	Cryptology
	Privacy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1 -- Introduction to Homomorphic Encryption for Financial Cryptography -- Chapter 2 -- Survey on Homomorphic Encryption for Financial Cryptography Workout -- Chapter 3 Improved login interface algorithm for Financial Transactions using Visual Cryptographic Authentication -- Chapter 4 Securing shared data based on Homomorphic encryption schemes -- Chapter 5 Challenges and Opportunities associated with Homomorphic Encryption for Financial Cryptography -- Chapter 6 Homomorphic Encryption based Cloud Privacy-Preserving in Remote Ecg Monitoring and Surveillance --

	Chapter 7 Enhancing Encryption Security against Cypher Attacks -- Chapter 8 Biometric Based Key Generation Using AES Algorithm for Real Time Security Applications -- Chapter 9 Financial Cryptography and its application in Blockchain -- Chapter 10 Algorithmic Strategies for Solving Complex Problems in Financial Cryptography.,- Chapter 11 Various Attacks on the implementation of Cryptographic Algorithms -- Chapter 12 A Survey on Private Keyword Sorting and Searching using Homomorphic Encryption -- Chapter 13 Multivariate Cryptosystem Based on a Quadratic Equation to Eliminate the Outliers Using Homomorphic Encryption Scheme. .
Sommario/riassunto	This book offers insights on efficient utilization of homomorphic encryption (HE) for financial cryptography in confidentiality, phishing, anonymity, object and user identity protection. Homomorphic encryption has the potential to be a game-changer for the industry and cloud industry. HE method in cloud computing is presented in this book as a solution to increase the security of the data. Moreover, this book provides details about the set of fundamentals of cryptography, classical HE systems, properties of HE schemes, challenges and opportunities in HE methods, key infrastructure, problem of key management, key sharing, current algorithmic strategies and its limitation in implementation for solving complex problems in financial cryptography, application in blockchain, multivariate cryptosystems based on quadratic equations to avoid the explosion of the coefficients. .