

1. Record Nr.	UNINA9910742493603321
Autore	Maier Helmut
Titolo	Number Theory in Memory of Eduard Wirsing / / edited by Helmut Maier, Jörn Steuding, Rasa Steuding
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	9783031316173 3031316177
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (332 pages)
Altri autori (Persone)	SteudingJö SteudingRasa
Disciplina	512.7
Soggetti	Number theory Number Theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Life and Work of Eduard Wirsing -- Remembering Eduard Wirsing -- Personal Memories -- On the Infimum of the Absolute Value of Successive Derivatives of a Real Function Defined on a Bounded Interval -- Friable Averages of Oscillating Arithmetic Functions -- Ein quaternäres Waring-Goldbach-Problem -- Coprimality of Consecutive Elements in a Piatetski-Shapiro Sequence -- Wirsing's Elementary Proofs of the Prime Number Theorem with Remainder Terms -- Diophantine Analysis Around $[1, 2, 3, \dots]$ -- On a Smoothed Average of the Number of Goldbach Representations -- Estimates for k-Dimensional Spherical Summations of Arithmetic Functions of the GCD and LCM -- The Rational Points Close to a Space Curve -- Twists by Dirichlet Characters and Polynomial Euler Products of L-Functions, II -- Solving the Iterative Differential Equation $g' = g^1$ -- Irrationality of Zeros of the Digamma Function -- Generalizations of Menon's Arithmetic Identity -- On a Conjecture of Descartes -- On the Greatest Common Divisor of a Number and Its Sum of Divisors, II -- Permutations with Arithmetic Constraints -- Large Subsums of the Möbius Function -- The a -Points of the Riemann Zeta-Function and the Functional Equation -- Braided Gibonacci Sequences on Residue Classes.

Eduard Wirsing was an outstanding number theorist. In his research he made significant contributions to various subfields of number theory and also collaborated with other eminent scientists (e.g., with the Fields Medalist Alan Baker as well as Don Zagier). This commemorative volume includes numerous papers on current research in number theory by well-known experts, as well as some personal recollections by companions of Wirsing. The topics covered in this volume include arithmetical functions, continued fractions, elementary proofs of the prime number theorem, friable integers, the Goldbach problem, Dirichlet series, Euler products, and more. There is something for every interested reader.
