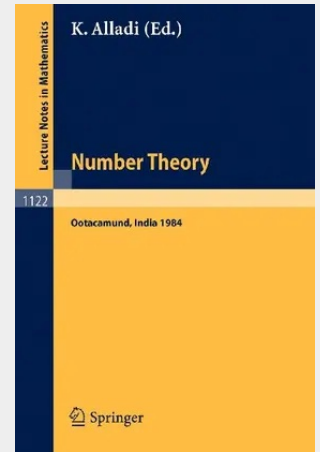


Number Theory

Proceedings of the 4th Matscience Conference held at Otacamund, India, January 5-10, 1984

A study of the moments of additive functions using laplace transforms and sieve methods.- A hybrid version of a theorem of Ingham.- Remarks on some of Ramanujan's number theoretical discoveries found in his second notebook.- Two generalizations of Ramanujan's continued fraction identities.- The combinatorial sieve.- On some of my problems in number theory i would most like to see solved.- Problems and result on additive properties of general sequences, IV.- The functions of the linear sieve (summary).- An extended Nagell Totient and related Ramanujan sums.- On projective representations of finite Abelian groups.- Sums of reciprocals of some non-vanishing multiplicative functions.- A remark on a paper of K. Ramachandra.- Jac obsthals sums in terms of quadratic partitions of a prime.- Fourier coefficients of modular forms.- On the distribution of round numbers.- Some Remarks in number theory.- Basic analogues of transformations of nearly-poised basic hypergeometric series.

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37,40 €

34,95 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783540152224

Medium: Buch

ISBN: 978-3-540-15222-4

Verlag: Springer

Erscheinungstermin: 01.04.1985

Sprache(n): Englisch

Auflage: 1. Auflage 1985

Serie: Lecture Notes in Mathematics

Produktform: Kartoniert

Gewicht: 347 g

Seiten: 220

Format (B x H): 155 x 235 mm

