

Lecture Notes in Mathematics

Edited by A. Dold and B. Eckmann

1380

H.P. Schlickewei E. Wirsing (Eds.)

Number Theory

Proceedings of the Journées Arithmétiques
held in Ulm, FRG, September 14–18, 1987



Fachbereich Mathematik
Technische Hochschule Darmstadt
Bibliothek

Inv.-Nr. 3 22 261

Springer-Verlag

New York Berlin Heidelberg London Paris Tokyo Hong Kong

CONTENTS

Brownawell, W. D.	Applications of Cayley-Chow Forms	1
Erdős, P.	Partitions into Parts which are	
Nicolas, J. L.	Unequal and Large	
Szalay, M.		19
Frey, G.	Links between Solutions of A-B=C and Elliptic Curves	31
Geroldinger, A.	Factorization of Algebraic Integers	63
Gillard, R.	Etude d'une famille modulaire de variétés abélienne	75
Heath-Brown, D.R.	Weyl's Inequality and Hua's Inequality	87
Hellegouarch, Y.	Positive Definite Binary Quadratic Forms Over $k[X]$	93
Jutila, M.	Mean Value Estimates for Exponential Sums	120
Kopetzky, H.G.	Some Results on Diophantine Approximation Related to Dirichlet's Theorem	137
Leutbecher, A.	On Cliques of Exceptional Units and	
Niklasch, G.	Lenstra's Construction of Euclidean Fields	150
Nathanson, M.B.	Sumsets Containing k -free Integers	179
Pethö, A.	On the Representation of 1 by Binary Cubic	185
Schulze-Pillot, R.	A Linear Relation Between Theta Series of Degree and Weight 2	197
Silverman, J.H.	Integral Points on Curves and Surfaces	202
Vignéras, M.F.	Correspondance modulaire galois-quaternions pour un corps p -adique	254