Table of contents

Preface	v
List of participants	xi
Sukumar Das Adhikari and R. Thangadurai Monochromatic solutions of Diophantine equations	1
Shigeki Akiyama Cubic Pisot units with finite beta expansions	11
Jörg Brüdern Small values of diagonal cubic forms	27
Yann Bugeaud On the approximation by algebraic numbers with bounded degree	47
Nigel P. Byott Galois module structure and Kummer theory for Lubin-Tate formal groups	55
Ph. Cassou-Noguès and M. J. Taylor Galois module structure for wild extensions	69
Paula B. Cohen and Umberto Zannier Multiplicative dependence and bounded height, an example	93
Michael Drmota The distribution of patterns in digital expansions	103
Andrej Dujella A note on Diophantine quintuples	123
Jan-Hendrik Evertse Symmetric improvements of Liouville's inequality: A survey	129
Henri Faure On the distribution of the sums of binomial coefficients modulo a prime	143
István Gaál Computing power integral bases in algebraic number fields II	153
Ernst-Ulrich Gekeler Cuspidal divisor class groups of modular curves	163

Kálmán Győry Discriminant form and index form equations	191
Clemens Heuberger On general families of parametrized Thue equations	215
Masanari Kida Computing elliptic curves having good reduction everywhere over quadratic fields II	239
Yann Lefeuvre and Stéphane Louboutin The class number one problem for the dihedral CM-fields	249
Franz Lemmermeyer On Tate-Shafarevich groups of some elliptic curves	277
Lutz G. Lucht Polylogarithms and arithmetic functions	293
M. Mignotte On the diophantine equation $\frac{x^n-1}{x-1} = y^q$	305
Nikolai Moshchevitin Distribution of Kronecker sequences	311
W. Narkiewicz Finite polynomial orbits. A survey	331
Werner Georg Nowak Diophantine approximation in \mathbb{R}^s : On a method of Mordell and Armitage	339
Attila Pethő and Horst G. Zimmer S-integer points on elliptic curves, theory and practice	351
Martine Picavet-L'Hermitte Factorization in some orders with a PID as integral closure	365
Štefan Porubský Topologies induced by systems of divisors	391
Jörg Schmeling, Endre Szabó and Reinhard Winkler Hartman and Beatty bisequences	405
Oto Strauch Moment problem of the type $\int_0^1 \int_0^1 F(x, y) dg(x) dg(y) = 0$	423
Kazimierz Szymiczek Conner's Level Condition	445

Table of contents	ix
Hisao Taya Remarks on Iwasawa λ-invariants	453
R. Tijdeman Exact covers of balanced sequences and Fraenkel's conjecture	467
D. I. Tolev Representations of large integers as sums of two primes of special type	485
Michel Waldschmidt Conjectures for large transcendence degree	497
Rolf Wallisser On Lambert's proof of the irrationality of π	521
P. G. Walsh Diophantine equations of the form $aX^4 - bY^2 = \pm 1$	531