CONTENTS

Part 1

Hong-Quan Liu
On van der Corput's method for exponential sums 7

Johannes Schleischitz
On the discrepancy between best and uniform approximation 21

Shōta Inoue, Isao Kiuchi
Riesz means of the Euler totient function 31

Naoki Murabayashi
On supersingular primes of the Elkies' elliptic curve 41

Akiko Ito
On the 3-divisibility of class numbers of pairs of quadratic fields with splitting conditions 61

Leonardo Cangelmi, Raffaele Marcovecchio
Optimal groups for the r–rank Artin Conjecture 77

Maciej Ulas
A note on the Diophantine equation $2^{n-1}(2^n-1) = x^3 + y^3 + z^3$ . . . 87

Nathan Ng, Mark Thom
Bounds and conjectures for additive divisor sums 97