

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

PART 2

VÍCTOR C. GARCÍA, FLORIAN LUCA	
A note on fibonomial coefficients	143
MELVYN B. NATHANSON	
Weighted real Egyptian numbers	155
SUDHANSU SEKHAR ROUT	
Lucas non-Wieferich primes in arithmetic progressions	167

MOHAMED HAYE BETAH	
Explicit expression of a Barban & Vehov Theorem	177
HAJIME KANEKO	
Arithmetical properties of real numbers related to beta-expansions . .	195
FRANCESCA BIANCHI	
Consequences of the functional equation of the p -adic L -function	
of an elliptic curve	227
ARTŪRAS DUBICKAS	
Products of consecutive values of some quartic polynomials	237
MOHAMED KAMEL, MOHAMMAD SADEK	
Sequences of consecutive squares on quartic elliptic curves	245
ÍSABEL PIRSIC, WOLFGANG STOCKINGER	
The Champernowne constant is not Poissonian	253
CLAYTON PETSCHKE, JEFFREY D. VAALER	
A Dirichlet approximation theorem for group actions	263