

CONTENTS

PART 1

AMRINDER KAUR, AYYADURAI SANKARANARAYANAN	
On the Rankin–Selberg L -function related to the Godement–Jacquet L -function II	7
TAKAHIRO TSUSHIMA	
On cohomology and zeta functions of generalized Suzuki curves in characteristic two	23
NAOKI KUMAKAWA	
A weak form of Greenberg’s conjecture for the cyclotomic $\mathbb{Z}_2$ -extension of real quadratic fields	47
SHIN-ICHI YASUTOMI	
Simultaneous convergent continued fraction algorithm for real and p -adic fields with applications to quadratic fields	61
AJAI CHOUDHRY, ARMAN SHAMSI ZARGAR	
The diophantine equation $x^4 + y^4 = z^4 + w^4$	95
SUDHANSU SEKHAR ROUT, PRITAM KUMAR BHOI	
Sums of S -units in sum of terms of recurrence sequences-II	103
YUUYA YOSHIDA	
On the number of representations of integers as differences between Piatetski-Shapiro numbers	117

PART 2

WILLIAM BANKS, SALONI SINHA	
The Riemann Hypothesis via the generalized von Mangoldt function	143
TOSHIKI MATSUSAKA, HIDEKI MURAHARA, TOMOKAZU ONOZUKA	
Asymptotic coefficients of multiple zeta functions at the origin and generalized Gregory coefficients	161

OMAR KCHIT

On the index divisors of certain number fields defined

by $x^{11} + ax^3 + b$ 181

RAMŪNAS GARUNKŠTIS, AIVARAS NOVIKAS

Discrete mean value theorems for the Riemann zeta-function

over its shifted nontrivial zeros 201

ANDRÁS BIRÓ

Triple product integrals and Rankin-Selberg L -functions 225