

CONTENTS

PART 1

| | |
|--|-----|
| CRISTIAN VIRIDOL | |
| On the critical values of L -functions of base change for Hilbert modular forms II | 7 |
| MATTHIAS KUNIK, LUTZ G. LUCHT | |
| Power series with the von Mangoldt function | 15 |
| AKINARI HOSHI | |
| On the simplest sextic fields and related Thue equations | 35 |
| SHANTA LAISHRAM, TARLOK N. SHOREY | |
| Irreducibility of generalized Hermite-Laguerre polynomials | 51 |
| KIT-HO MAK, ALEXANDRU ZAHARESCU | |
| Poisson type phenomena for points on hyperelliptic curves modulo p | 65 |
| HASEO KI, YOONBOK LEE | |
| Zeros of the derivatives of the Riemann zeta-function | 79 |
| NAOKI MURABAYASHI | |
| On torsion points of certain CM elliptic curves | 89 |
| TAKASHI FUKUDA, KEIICHI KOMATSU, TAKAYUKI MORISAWA | |
| On λ -invariants of \mathbb{Z}_ℓ -extensions over real abelian number fields of prime power conductors | 95 |
| SHIGEKI AKIYAMA, PAULIUS DRUNGILAS, JONAS JANKAUSKAS | |
| Height reducing problem on algebraic integers | 105 |
| CARSTEN ELSNER, SHUN SHIMOMURA, IEKATA SHIOKAWA | |
| Algebraic independence of certain numbers related to modular functions | 121 |

PART 2

| | |
|--|-----|
| CRISTIAN VIRDOL | |
| The meromorphic continuation of the zeta function of Siegel modular threefolds over totally real fields | 143 |
| CHUANGXUN CHENG | |
| A relation between the Brauer group and the Tate-Shafarevich group | 149 |
| BENJAMIN LINOWITZ | |
| Decomposition theorems for Hilbert modular forms | 157 |
| WOLFGANG KNAPP, MARKUS KÖCHER, PETER SCHMID | |
| Quadratic residues and class numbers | 173 |
| L. YA. VULAKH | |
| Diophantine approximation in $\mathbf{Q}(\sqrt{-30})$, $\mathbf{Q}(\sqrt{-33})$ and $\mathbf{Q}(\sqrt{-57})$. . | 183 |
| BENOÎT RITTAUD, LAURENT VIVIER | |
| Circular words and three applications: factors of the Fibonacci word, \mathcal{F} -adic numbers, and the sequence 1, 5, 16, 45, 121, 320, | 207 |
| THOMAS STOLL | |
| The sum of digits of polynomial values in arithmetic progressions . . | 233 |
| PETR AMBROŽ, DANIEL DOMBEK, ZUZANA MASÁKOVÁ, EDITA PELANTOVÁ | |
| Numbers with integer expansion in the numeration system with negative base | 241 |
| S. BAIER, T.D. BROWNING | |
| Inhomogeneous quadratic congruences | 267 |