

CONTENTS

PART 1

ZIHAN MIAO, ANH NGUYEN, TIAN AN WONG Kronecker's first limit formula for Kleinian groups	7
VAKHTANG TSAGAREISHVILI The variation of general Fourier coefficients	27
YANGCHENG LI, YONG ZHANG Rational right triangle triples with special linear relationship of areas and perimeters	43
BETÜL GEZER, OSMAN BIZIM On the product of translated division polynomials and Somos sequences	55
ANKAN PAL, BIDISHA ROY, MOHAMMAD SADEK Moments of Gaussian hypergeometric functions over finite fields	77
LENNY JONES On the monogenicity of power-compositional Shanks polynomials	93
STEFAN BARAŃCZUK On the arithmetic of polynomials with coefficients in Mordell-Weil type groups	105
ZOÉ YVON Polynomials realizing images of Galois representations of an elliptic curve	113

PART 2

NICKOLAS ANDERSEN, WILLIAM DUKE, ZACH HACKING, AMY WOODALL Non-convex geometry of numbers and continued fractions	137
SNEHA CHAUBEY, SHIVANI GOEL, M. RAM MURTY On the Hardy-Littlewood prime tuples conjecture and higher convolutions of Ramanujan sums	161

N. VANI, D. VAMSHEE KRISHNA, CH. VIJAYA KUMAR, B. RATH, K. SANJAY KUMAR	
Coefficient bound associated with certain Hankel determinants and Zalcman conjecture for a subfamily of multivalent bounded turning functions	177
FEI HOU	
The exponential sums related to cusp forms in the level aspect	193
RALPH HOWARD, OGNIAN TRIFONOV	
Bounding the number of lattice points near a convex curve by curvature	219
GREG KNAPP	
The number of solutions to the trinomial Thue equation	247