

Contents

Preface	vii
Large Hyperbolic Polygons and Hyperelliptic Riemann Surfaces ANTHONY ARNOLD and KLAUS-DIETER SEMMLER	1
On Isolated Strata of Pentagonal Riemann Surfaces in the Branch Locus of Moduli Spaces GABRIEL BARTOLINI, ANTONIO F. COSTA, and MILAGROS IZQUIERDO	19
Finite Group Actions of Large Order on Compact Bordered Surfaces E. BUJALANCE, F. J. CIRRE, and M. D. E. CONDER	25
Surfaces of Low Degree Containing a Canonical Curve IZZET COSKUN	57
Ideals of Curves Given by Points E. FORTUNA, P. GIANNI, and B. TRAGER	71
Non-genera of Curves with Automorphisms in Characteristic p DARREN GLASS	89
Numerical Schottky Uniformizations of Certain Cyclic L -gonal Curves RUBÉN A. HIDALGO and MIKA SEPPÄLÄ	97
Generalized Lantern Relations and Planar Line Arrangements ERIKO HIRONAKA	113
Effective p -adic Cohomology for Cyclic Cubic Threefolds KIRAN S. KEDLAYA	127
Generating Sets of Affine Groups of Low Genus K. MAGAARD, S. SHPECTOROV, and G. WANG	173
Classification of Algebraic ODEs with Respect to Rational Solvability L. X. CHÂU NGÔ, J. RAFAEL SENDRA, and FRANZ WINKLER	193
Circle Packings on Conformal and Affine Tori CHRISTOPHER T. SASS, KENNETH STEPHENSON, and G. BROCK WILLIAMS	211
Effective Radical Parametrization of Trigonal Curves JOSEF SCHICHO and DAVID SEVILLA	221