

Contents

Preface	vii
Expository and survey articles	
Some applications of p -adic uniformization to algebraic dynamics EKATERINA AMERIK	3
Special manifolds, arithmetic and hyperbolic aspects: a short survey FRÉDÉRIC CAMPANA	23
Invitation to integral and rational points on curves and surfaces PRANABESH DAS and AMOS TURCHET	53
Roth's theorem: an introduction to diophantine approximation MICHAEL NAKAMAYE	75
The Thue-Siegel method in diophantine geometry PAUL VOJTA	109
Research articles	
Optimal pinching for the holomorphic sectional curvature of Hitchin's metrics on Hirzebruch surfaces ANGELYNN ALVAREZ, ANANYA CHATURVEDI, and GORDON HEIER	133
The Lefschetz property for families of curves JÁNOS KOLLÁR	143
Separable rational connectedness and stability ZHIYU TIAN	155
Curve classes on rationally connected varieties RUNHONG ZONG	161