
Contents

Preface	vii
Curriculum Vitae: Yuri Ivanovich Manin	xi
List of Publications	xvii
Gerstenhaber and Batalin–Vilkovisky Structures on Lagrangian Intersections <i>Kai Behrend and Barbara Fantechi</i>	1
A Non-Archimedean Interpretation of the Weight Zero Subspaces of Limit Mixed Hodge Structures <i>Vladimir G. Berkovich</i>	49
Analytic Curves in Algebraic Varieties over Number Fields <i>Jean-Benoît Bost and Antoine Chambert-Loir</i>	69
Riemann–Roch for Real Varieties <i>Paul Bressler, Mikhail Kapranov, Boris Tsygan, and Eric Vasserot</i>	125
Universal KZB Equations: The Elliptic Case <i>Damien Calaque, Benjamin Enriquez, and Pavel Etingof</i>	165
Exact Category of Modules of Constant Jordan Type <i>Jon F. Carlson and Eric M. Friedlander</i>	267
Del Pezzo Moduli via Root Systems <i>Elisabetta Colombo, Bert van Geemen, and Eduard Looijenga</i>	291
The Weil Proof and the Geometry of the Adèles Class Space <i>Alain Connes, Caterina Consani, and Matilde Marcolli</i>	339
Elliptic Curves with Large Analytic Order of $\mathbb{W}(E)$ <i>Andrzej Dąbrowski and Mariusz Wodzicki</i>	407

***p*-adic Entropy and a *p*-adic Fuglede–Kadison Determinant**
Christopher Deninger..... 423

Finite Subgroups of the Plane Cremona Group
Igor V. Dolgachev and Vasily A. Iskovskikh..... 443

Lie Algebra Theory without Algebra
Simon K. Donaldson 549

Cycle Classes of the E-O Stratification on the Moduli of Abelian Varieties
Torsten Ekedahl and Gerard van der Geer..... 567

Experiments with General Cubic Surfaces
Andreas-Stephan Elsenhans and Jörg Jahnel..... 637

Cluster Ensembles, Quantization and the Dilogarithm II: The Intertwiner
V.V. Fock and A.B. Goncharov..... 655

Operads Revisited
Ezra Getzler..... 675