

CONTENTS

N. BOSTON and B. MAZUR — Explicit Deformations of Galois Representations	1
J. H. COATES and B. PERRIN-RIOU — On p -adic L -functions attached to Motives over \mathcal{Q}	23
R. F. COLEMAN — Anderson-Ihara Theory: Gauss Sums and Circular Units	55
R. F. COLEMAN and B. GROSS — p -adic heights on curves	73
E. de SHALIT — A Note on Norm-Coherent Units in Certain \mathbf{Z}_p -Extensions	83
B. DWORK — On the Uniqueness of Frobenius Operator on Differential Equations	89
R. GREENBERG — Iwasawa Theory for p -adic Representations	97
H. HIDA — On Nearly Ordinary Hecke Algebras for $GL(2)$ over Totally Real Fields	139
U. JANNSEN — Iwasawa Modules up to Isomorphism	171
N. KATZ — Perversity and Exponential Sums	209
Y. KIDA — Cyclotomic \mathbf{Z}_p -extensions of $\mathcal{Q}(\sqrt{-1})$ and $\mathcal{Q}(\sqrt{-2})$	261
T. KUBOTA — Remarks on the Theorems of Takagi and Furtwängler	267
S. LICHTENBAUM — Behavior of the Zeta-Functions of Open Surfaces at $s=1$	271
Yu. I. MANIN and V. V. SCHECHTMAN — Arrangements of Hyperplanes, Higher Braid Groups and Higher Bruhat Orders	289
P. MONSKY — Fine Estimates for the Growth of e_n in \mathbf{Z}_p^d -extensions	309
Y. MORITA — A Lower Bound of $L_p(l, \chi)$ for a Dirichlet Character χ	331
B. PERRIN-RIOU — Variation de la Fonction L p -adique par isogénie	347
K. A. RIBET — Bimodules and Abelian Surfaces	359
K. RUBIN — Tate-Shafarevich Groups of Elliptic Curves with Complex Multiplication	409
P. SCHNEIDER — Motivic Iwasawa Theory	421
L. WASHINGTON — On Sinnott's Proof of the Vanishing of the Iwasawa Invariant μ_p	457

Contents

A. WEIL — On Eisenstein's Copy of the <i>Disquisitiones</i>	463
K. WINGBERG — Duality Theorems for Abelian Varieties over \mathbb{Z}_p -extensions	471