

## Contents

|  |     |
|--|-----|
| Preface  | ix  |
| Explicit classification of formal groups over complete discrete valuation fields<br>with imperfect residue field<br>M. V. BONDARKO | 1   |
| Adelic Lefschetz formula for the action of a one-dimensional torus<br>S. O. GORCHINSKII AND A. N. PARSHIN                          | 31  |
| Singularities of arcs and cyclic coverings of surfaces<br>I. B. ZHUKOV   | 49  |
| Del Pezzo surfaces of degree 2 and Jacobians without complex multiplication<br>YU. G. ZARHIN                                       | 67  |
| A relation between higher Witt indices<br>NIKITA A. KARPENKO   | 77  |
| On Fröhlich twisted bundles<br>PH. CASSOU-NOGUÈS, B. EREZ, AND M. J. TAYLOR  | 87  |
| Multiple Euler products<br>SHIN-YA KOYAMA AND NOBUSHIGE KUROKAWA   | 101 |
| Invariants of micro primes for $p$ -adic fields<br>YU. MEHLIG AND E.-W. ZINK   | 141 |