

## CONTENTS

|  |      |
|--|------|
| <b>Y. MIURA</b> , Superharmonic functions of Schrödinger operators and Hardy inequalities .....  | 689  |
| <b>G. ISHIKAWA and T. YAMASHITA</b> , Leibniz complexity of Nash functions on differentiations .....                                   | 709  |
| <b>V. GUEDJ, C. H. LU and A. ZERIAHI</b> , Weak subsolutions to complex Monge–Ampère equations .....                                   | 727  |
| <b>S. CHOI and H. PARK</b> , Small covers over wedges of polygons .....  | 739  |
| <b>M. HINO and S. KANAZAWA</b> , Asymptotic behavior of lifetime sums for random simplicial complex processes .....                    | 765  |
| <b>D. BOURQUI and J. SEBAG</b> , Finite formal model of toric singularities .....  | 805  |
| <b>M. SAWA and Y. UCHIDA</b> , Discriminants of classical quasi-orthogonal polynomials with application to Diophantine equations ..... | 831  |
| <b>Y. HASHIMOTO</b> , Relative stability associated to quantised extremal Kähler metrics .....   | 861  |
| <b>Y. MIYAZAKI</b> , $L_p$ regularity theorem for elliptic equations in less smooth domains ..   | 881  |
| <b>G. HOSONO</b> , On sharper estimates of Ohsawa–Takegoshi $L^2$ -extension theorem ...   | 909  |
| <b>I. BAILLEUL and S. RIEDEL</b> , Rough flows .....   | 915  |
| <b>Y. UMETA</b> , General formal solutions for a unified family of $P_J$ -hierarchies (J=I, II, IV, 34) .....                          | 979  |
| <b>K. MURAKAMI</b> , On an upper bound of $\lambda$ -invariants of $\mathbb{Z}_p$ -extensions over an imaginary quadratic field .....  | 1005 |