## CONTENTS

Shigeki AIDA — Rough path analysis: An introduction	1
$\begin{array}{c} {\rm Marc~Arnaudon~and~Anton~Thalmaier-Li-Yau~type~gradient}\\ {\rm estimates~and~Harnack~inequalities~by~stochastic~analysis} \end{array}$	29
Atsushi Atsuji — Estimates on the number of the omitted values by meromorphic functions	49
K. David Elworthy — Stochastic flows and geometric analysis on path spaces	61
Roland Friedrich — The global geometry of stochastic Loewner evolutions	79
Ryoki Fukushima, Atsushi Tanida and Kouji Yano — Non-Markov property of certain eigenvalue processes analogous to Dyson's model	v 119
Keisuke Hara — Rough path conditions for smooth paths	129
Tae HATTORI and Atsushi KASUE — Functions of finite Dirichlet sums and compactifications of infinite graphs	141
Yuzuru Inahama — A note on rough differential equations with unbounded coefficients	155
$\label{eq:linear_point} \mbox{Hiroyasu IZEKI} \mbox{$-$A$ fixed-point property of finitely generated groups} \\ \mbox{and an energy of equivariant maps}$	171
Nicolas Juillet — On a method to disprove generalized Brunn–Minkowski inequalities	189
Vadim A. Kaimanovich and Florian Sobieczky — Stochastic homogenization of horospheric tree products	199
Naotaka Kajino — Remarks on non-diagonality conditions for Sierpinski carpets	231
Tsuyoshi Kato — Pattern formation from projectively dynamical systems and iterations by families of maps	243
Takefumi Kondo — Fixed-point theorems for random groups	263
Kazumasa Kuwada — Couplings of the Brownian motion via discrete approximation under lower Ricci curvature bounds	273

Kazuhiro Kuwae and Takashi Shioya — Infinitesimal Bishop—Gromov condition for Alexandrov spaces	293
Hiroshi Matsuzoe — Statistical manifolds and affine differential geometry	303
Shin-ichi Ohta — Optimal transport and Ricci curvature in Finsler geometry	323
Yann Ollivier — A survey of Ricci curvature for metric spaces and Markov chains	343
Vladimir Pestov — Concentration of measure and whirly actions of Polish groups	383
Laurent Saloff-Coste — The heat kernel and its estimates	405
Ichiro Shigekawa — Non-symmetric diffusions on a Riemannian manifold	437
Asuka Takatsu — On Wasserstein geometry of Gaussian measures	463
Sumio Watanabe — A limit theorem in singular regression problem	473
Kouji YANO — Two kinds of conditionings for stable Lévy processes	493
Takumi Yokota — A gap theorem for ancient solutions to the Ricci flow	505