## CONTENTS

Louigi Addario-Berry and Jordan Barrett — Random treeweighted graphs	1
Guillaume BAVEREZ, Alexander I. BUFETOV and Yanqi QIU — A survey on determinantal point processes	59
Ivan Corwin — Invariance of polymer partition functions under the geometric RSK correspondence	89
Frank den Hollander — Complex networks: structure and functionality	137
Gregory F. Lawler — Some notes on random walks in two dimensions	155
Grégory Miermont — Compact Brownian surfaces	173
Yoshihiro Abe — Avoided points of two-dimensional random walks	199
Ryoki Fukushima — Note on the maximal jump size in a continuum model of directed first passage percolation	213
Tadahisa Funaki — Large deviation for dynamic model of three dimensional Young diagrams	227
Masato Hoshino — Iterated paraproducts and iterated commutator estimates in Besov spaces	239
Takashi Imamura, Matteo Mucciconi and Tomohiro Sasamoto — Determinantal structures in the q-Whittaker measure	261
Naotaka Kajino — The Laplacian on some self-conformal fractals and Weyl's asymptotics for its eigenvalues: A survey of the analytic aspects	293
Makoto Katori and Shinji Koshida — Gaussian free fields coupled with multiple SLEs driven by stochastic log-gases	315
Masato Hoshino, Hiroshi Kawabi and Seiichiro Kusuoka — Tightness of the solutions to approximating equations of the stochastic quantization equation associated with the weighted exponential quantum field model on the two-dimensional torus	341
Shuta Nakajima — Divergence of non-random fluctuation for Euclidean first-passage percolation	l- 363