

EM
S ■
PRESS

Memoirs of the European Mathematical Society

Edited by

Anton Alekseev (Université de Genève)

Gerard van der Geer (Universiteit van Amsterdam)

Barbara Kaltenbacher (Universität Klagenfurt)

Thomas Kappeler[†] (Universität Zürich)

Ari Laptev (Imperial College London)

Laure Saint-Raymond (Institut des Hautes Études Scientifiques)

The *Memoirs of the European Mathematical Society* publish outstanding research contributions in individual volumes, in all areas of mathematics and with a particular focus on works that are longer and more comprehensive than usual research articles.

The collection's editorial board consists of the editors-in-chief of the *Journal of the European Mathematical Society* and the *EMS Surveys in Mathematical Sciences*, along with editors of book series of the publishing house of the EMS.

All submitted works go through a highly selective peer-review process.

Previously published in this series:

J.-M. Delort, N. Masmoudi, *Long-Time Dispersive Estimates for Perturbations of a Kink Solution of One-Dimensional Cubic Wave Equations*

G. Cotti, *Cyclic Stratum of Frobenius Manifolds, Borel–Laplace (α, β) -Multitransforms, and Integral Representations of Solutions of Quantum Differential Equations*



Aleksey Kostenko

Noema Nicolussi

Laplacians on Infinite Graphs



EM
S ■
PRESS

Authors:

Aleksey Kostenko
Faculty of Mathematics and Physics
University of Ljubljana
Jadranska ul. 19
1000 Ljubljana, Slovenia
Faculty of Mathematics
University of Vienna
Oskar-Morgenstern-Platz 1
1090 Vienna, Austria
Email: aleksey.kostenko@fmf.uni-lj.si

Noema Nicolussi
Faculty of Mathematics
University of Vienna
Oskar-Morgenstern-Platz 1
1090 Vienna, Austria
Email: noema.nicolussi@univie.ac.at

Each volume of the *Memoirs of the European Mathematical Society* is available individually or as part of an annual subscription. It may be ordered from your bookseller, subscription agency, or directly from the publisher via subscriptions@ems.press.

ISSN 2747-9080, eISSN 2747-9099

ISBN 978-3-98547-025-9, eISBN 978-3-98547-525-4, DOI 10.4171/MEMS/3

© ⓘ The content of this volume is licensed under a CC BY 4.0 license, with the exception of the logo and branding of the European Mathematical Society and EMS Press, and where otherwise noted.

Bibliographic information published by the Deutsche Nationalbibliothek

The Deutsche Nationalbibliothek lists this publication in the Deutsche Nationalbibliografie; detailed bibliographic data are available on the Internet at <http://dnb.dnb.de>.

Published by EMS Press, an imprint of the

European Mathematical Society – EMS – Publishing House GmbH
Institut für Mathematik
Technische Universität Berlin
Straße des 17. Juni 136
10623 Berlin, Germany

<https://ems.press>

© 2023 European Mathematical Society

Typesetting: WisSat Publishing + Consulting GmbH, Fürstenwalde, Germany
Printed in Germany

♻️ Printed on acid free paper