

EM
S ■
PRESS

ICM

INTERNATIONAL CONGRESS
OF MATHEMATICIANS
2022 JULY 6–14

SECTIONS 1-4

EDITED BY D. BELIAEV AND S. SMIRNOV



EM
S ■
PRESS

Editors

Dmitry Belyaev
Mathematical Institute
University of Oxford
Andrew Wiles Building
Radcliffe Observatory Quarter
Woodstock Road
Oxford OX2 6GG, UK

Email: belyaev@maths.ox.ac.uk

Stanislav Smirnov
Section de mathématiques
Université de Genève
rue du Conseil-Général 7–9
1205 Genève, Switzerland
Email: stanislav.smirnov@unige.ch

2020 Mathematics Subject Classification: 00B25

ISBN 978-3-98547-058-7, eISBN 978-3-98547-558-2, DOI 10.4171/ICM2022

Volume 1. Prize Lectures

ISBN 978-3-98547-059-4, eISBN 978-3-98547-559-9, DOI 10.4171/ICM2022-1

Volume 2. Plenary Lectures

ISBN 978-3-98547-060-0, eISBN 978-3-98547-560-5, DOI 10.4171/ICM2022-2

→ Volume 3. Sections 1–4

ISBN 978-3-98547-061-7, eISBN 978-3-98547-561-2, DOI 10.4171/ICM2022-3

Volume 4. Sections 5–8

ISBN 978-3-98547-062-4, eISBN 978-3-98547-562-9, DOI 10.4171/ICM2022-4

Volume 5. Sections 9–11

ISBN 978-3-98547-063-1, eISBN 978-3-98547-563-6, DOI 10.4171/ICM2022-5

Volume 6. Sections 12–14

ISBN 978-3-98547-064-8, eISBN 978-3-98547-564-3, DOI 10.4171/ICM2022-6

Volume 7. Sections 15–20

ISBN 978-3-98547-065-5, eISBN 978-3-98547-565-0, DOI 10.4171/ICM2022-7

The content of this volume is licensed under the CC BY 4.0 license, with the exception of the logos and branding of the International Mathematical Union 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 International Mathematical Union

Typesetting using the authors' LaTeX sources: VTeX, Vilnius, Lithuania
Printed in Germany

♻️ Printed on acid free paper