

2020 · VOLUME 23 · NUMBER 4

# JOURNAL OF GROUP THEORY

**EDITOR-IN-CHIEF**

*Christopher W. Parker, Birmingham*

**MANAGING EDITORS**

*Timothy C. Burness, Bristol*

*Evgenii I. Khukhro, Lincoln*

*John S. Wilson, Oxford*

**FOUNDING EDITOR**

*John S. Wilson, Oxford*

**EDITORIAL BOARD**

*Miklós Abért, Budapest*

*Bettina Eick, Braunschweig*

*Michael Giudici, Perth*

*Robert Guralnick, Los Angeles*

*Adrian Ioana, San Diego*

*Benjamin Klopsch, Düsseldorf*

*Dessislava H. Kochloukova, Campinas*

*Andrea Lucchini, Padova*

*Alexander Yu. Olshanskii, Moscow/Nashville*

*Britta Späth, Wuppertal*

*Evgeny Vdovin, Novosibirsk*

*George Willis, Newcastle*

*Pavel A. Zalesskii, Brasilia*

**DE GRUYTER**

**JOURNAL OF GROUP THEORY** is devoted to the publication of original research articles in all aspects of group theory. Articles concerning applications of group theory and articles from research areas which have a significant impact on group theory will also be considered.

All information regarding notes for contributors, subscriptions, Open Access, back volumes and orders is available online at [www.degruyter.com/jgt](http://www.degruyter.com/jgt).

**ABSTRACTED/INDEXED IN** Baidu Scholar · Cabell's Whitelist · CNKI Scholar (China National Knowledge Infrastructure) · CNPIEC: cnpLINKer · Dimensions · EBSCO (relevant databases) · EBSCO Discovery Service · Gale/Cengage · Genamics JournalSeek · Google Scholar · Japan Science and Technology Agency (JST) · J-Gate · Journal Citation Reports/Science Edition · JournalGuide · JournalTOCs · KESLI-NDSL (Korean National Discovery for Science Leaders) · Mathematical Reviews (MathSciNet) · Microsoft Academic · MyScienceWork · Naviga (Softweco) · Primo Central (ExLibris) · ProQuest (relevant databases) · Publons · QOAM (Quality Open Access Market) · ReadCube · SCImago (SJR) · SCOPUS · Semantic Scholar · Sherpa/RoMEO · Summon (ProQuest) · TDNet · Ulrich's Periodicals Directory/ulrichsweb · WanFang Data · Web of Science: Current Contents/Physical, Chemical and Earth Sciences; Science Citation Index Expanded · WorldCat (OCLC) · Zentralblatt Math (zbMATH).

ISSN 1433-5883 · e-ISSN 1435-4446 · CODEN JGTHFQ

**RESPONSIBLE EDITORS** Christopher W. Parker, School of Mathematics, The University of Birmingham, Edgbaston, Birmingham B15 2TT, United Kingdom.

Email: [c.w.parker@bham.ac.uk](mailto:c.w.parker@bham.ac.uk)

Timothy C. Burness, School of Mathematics, University of Bristol, Bristol BS8 1UG, United Kingdom.

Email: [t.burness@bristol.ac.uk](mailto:t.burness@bristol.ac.uk)

Evgenii Khukhro, School of Mathematics and Physics, University of Lincoln, Brayford Pool, Lincoln, Lincolnshire LN6 7TS, United Kingdom.

Email: [khukhro@yahoo.co.uk](mailto:khukhro@yahoo.co.uk)

John S. Wilson, Mathematical Institute, University of Oxford, Andrew Wiles Building, Radcliffe Observatory Quarter, Woodstock Road, Oxford OX2 6GG, United Kingdom.

Email: [journalgrouptheory@gmail.com](mailto:journalgrouptheory@gmail.com)

**JOURNAL MANAGER** Theresa Haney, De Gruyter, Genthiner Straße 13, 10785 Berlin, Germany.

Tel.: +49 (0)30 260 05-375, Fax: +49 (0)30 260 05-250

Email: [theresa.haney@degruyter.com](mailto:theresa.haney@degruyter.com)

**RESPONSIBLE FOR ADVERTISEMENTS** Claudia Neumann, De Gruyter, Genthiner Straße 13, 10785 Berlin, Germany.

Tel.: +49 (0)30 260 05-226, Fax: +49 (0)30 260 05-264

Email: [anzeigen@degruyter.com](mailto:anzeigen@degruyter.com)

© 2020 Walter de Gruyter GmbH, Berlin/Boston

**TYPESETTING** WisSat Publishing + Consulting GmbH, Fürstenwalde

**PRINTING** Franz X. Stückle Druck und Verlag e.K., Ettenheim



A. MARTIN, P. PRZYTYCKI Tits alternative for Artin groups of type FC	563
C. COSTOYA, D. MÉNDEZ, A. VIRUEL The group of self-homotopy equivalences of $A_n^2$ -polyhedra	575
K.-U. BUX, C. WELSCH Coset posets of infinite groups	593
S. KOLESNIKOV, V. LEONTIEV, G. EGORYCHEV Two collection formulas	607
C. DELIZIA, P. SHUMYATSKY, A. TORTORA On semiconcise words	629
G. TRAUSTASON, J. WILLIAMS Powerfully nilpotent groups of rank 2 or small order	641
A. BORS Finite groups with only small automorphism orbits	659
A. MARCUS Group graded basic Morita equivalences and the Harris–Knörr correspondence	697
J. BARSOTTI, R. CARMAN Burnside rings of fusion systems and their unit groups	709
N. ROMERO Deflation and tensor induction on the Frobenius–Wielandt morphism	731

