

TU
↓ 80/al

Volume 419, December 1, 2014

ISSN 0021-8693



ELSEVIER

JOURNAL OF ALGEBRA

Editor-in-Chief

Michel Broué

Editor of the section on Computational Algebra

Gerhard Hiss

Founding Editor

G. Higman, 1964–1984

Editor-in-Chief

W. Feit, 1985–2000

Editorial Board

Nicolás Andruskiewitsch

Luchezar L. Avramov

Paul Balmer

Eva Bayer-Fluckiger

Inna Capdeboscq

Steven Dale Cutkosky

Alberto Elduque

Masaki Kashiwara

E.I. Khukhro

Shrawan Kumar

Kazuhiko Kurano

Gus I. Lehrer

Martin Liebeck

Gunter Malle

Volodymyr Mazorchuk

Louis Rowen

Leonard L. Scott, Jr.

Vera Serganova

Aner Shalev

V. Srinivas

J.T. Stafford

Gernot Stroth

Bernd Ulrich

Michel Van den Bergh

Changchang Xi

Section on Computational Algebra

Jon Carlson

John Cremona

Patrick Dehornoy

Derek Holt

William M. Kantor

Reinhard Laubenbacher

Eamonn O'Brien

Bruno Salvy

Seth Sullivant

Jean-Yves Thibon



ELSEVIER

Abstracted/indexed in Mathematical Reviews, Science Citation Index (ISI), Compumath Citation Index, Zentralblatt MATH, Current Contents: (PC & ES). Also covered in the abstract and citation database Scopus®. Full text available on ScienceDirect®.

CONTENTS

General Section

New large-rank Nichols algebras over nonabelian groups with commutator subgroup \mathbb{Z}_2	1
Simon Lentner	
A Jordan algebra approach to the cubic eiconal equation	34
Vladimir G. Tkachev	
Regularity criteria for semianalytic algebra of prime characteristic	52
Mamoru Furuya and Hiroshi Niitsuma	
Blocks of affine quantum Schur algebras	71
Qiang Fu	
Nilpotent Sabinin algebras	95
J. Mostovoy, J.M. Pérez-Izquierdo, and I.P. Shestakov	
The geometry of Brauer graph algebras and cluster mutations	141
Robert J. Marsh and Sibylle Schroll	
The representation theory of the exceptional Lie superalgebras $F(4)$ and $G(3)$	167
Lilit Martirosyan	
Generic modules of tame algebras over real closed fields	223
R. Bautista, E. Pérez, and L. Salmerón	
Categorification of the Temperley–Lieb algebra by bimodules	277
Thomas Gobet	
Distractions of Shakin rings	318
Giulio Caviglia and Enrico Sbarra	
Fully inert subgroups of Abelian p-groups	332
B. Goldsmith, L. Salce, and P. Zanardo	
<i>Computational Section</i>	
Castnuovo–Mumford regularity, postulation numbers and relation types	124
Markus Brodmann and Cao Huy Linh	

The Guide for Authors appears online on the journal homepage at <http://www.elsevier.com/locate/jalgebra>

