

ПН  
980/a1



# 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  
Steven Dale Cutkosky  
Alberto Elduque  
Dihua Jiang  
Masaki Kashiwara  
E.I. Khukhro

Shrawan Kumar  
Kazuhiko Kurano  
Gus I. Lehrer  
Martin Liebeck  
Volodymyr Mazorchuk  
Louis Rowen  
Leonard L. Scott, Jr.  
Vera Serganova  
Aner Shalev

Ronald Solomon  
V. Srinivas  
J.T. Stafford  
Gernot Stroth  
Bernd Ulrich  
Michel Van den Bergh  
Changchang Xi  
Efim Zelmanov

**Section on Computational Algebra**

Jon Carlson  
John Cremona  
Patrick Dehornoy  
Harm Derksen

Derek Holt  
William M. Kantor  
Reinhard Laubenbacher  
Gunter Malle

Eamonn O'Brien  
Bruno Salvy  
Seth Sullivan  
Jean-Yves Thibon

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 SciVerse Scopus®. Full text available on SciVerse ScienceDirect®.

## CONTENTS

### General Section

<b>Four-vertex degree graphs of nonsolvable groups</b>	1
Mark L. Lewis and Donald L. White	
<b>Krull-dimension of the power series ring over a nondiscrete valuation domain is uncountable</b>	12
B.G. Kang and M.H. Park	
<b>Norm correspondence on <math>p</math>-adic classical groups</b>	22
Xiaoxiang Yu and Dengyin Wang	
<b>Waring decompositions of monomials</b>	45
Weronika Buczyńska, Jarosław Buczyński, and Zach Teitler	
<b>An Aschbacher–O’Nan–Scott theorem for countable linear groups</b>	58
Tsachik Gelander and Yair Glasner	
<b>PBW for an inclusion of Lie algebras</b>	64
Damien Calaque, Andrei Căldăraru, and Junwu Tu	
<b>Decomposition numbers for the cyclotomic Brauer algebras in characteristic zero</b>	80
C. Bowman, A.G. Cox, and M. De Visscher	
<b>Semi-invariant subrings</b>	103
Uriya A. First	
<b>Right primary and nilary rings and ideals</b>	133
Gary F. Birkenmeier, Jin Yong Kim, and Jae Keol Park	
<b>Evolution algebra of a bisexual population</b>	153
M. Ladra and U.A. Rozikov	
<b>Lyndon–Shirshov basis and anti-commutative algebras</b>	173
L.A. Bokut, Yuqun Chen, and Yu Li	
<b>Tamely ramified subfields of division algebras</b>	184
Danny Neftin	
<b>Groups whose prime graphs have no triangles</b>	196
Hung P. Tong-Viet	
<b>Injective hulls of monars over inverse semigroups</b>	207
Boris M. Schein	
<b>Fusion systems of <math>F_2</math>-type</b>	217
Michael Aschbacher	

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

