

CONTENTS

Volume 1

Introduction	ix
A speech in honour of John Cannon and Derek Holt <i>Charles Leedham-Green</i>	xi
Finite groups of Lie type and their representations <i>Gerhard Hiss</i>	1
Iterated monodromy groups <i>Volodymyr Nekrashevych</i>	41
Engel elements in groups <i>Alireza Abdollahi</i>	94
Some classes of finite semigroups with kite-like egg-boxes of \mathcal{D} -classes <i>K. Ahmadideli & H. Doostie</i>	118
Structure of finite groups having few conjugacy class sizes <i>Antonio Beltrán & María José Felipe</i>	124
Group theory in cryptography <i>Simon R. Blackburn, Carlos Cid & Ciaran Mullan</i>	133
A survey of recent results in groups and orderings: word problems, embeddings and amalgamations <i>V. V. Bludov & A. M. W. Glass</i>	150
A survey on the minimum genus and maximum order problems for bordered Klein surfaces <i>E. Bujalance, F. J. Cirre, J. J. Etayo, G. Gromadzki & E. Martínez</i>	161
On one-relator quotients of the modular group <i>Marston Conder, George Havas & M. F. Newman</i>	183
Miscellaneous results on supersolvable groups <i>K. Corrádi, P. Z. Hermann, L. Héthelyi & E. Horváth</i>	198
Automorphisms of products of finite groups <i>M. John Curran</i>	213

A rational property of the irreducible characters of a finite group <i>M. R. Darafsheh, A. Iranmanesh & S. A. Moosavi</i>	224
Automotives <i>Marian Deaconescu & Gary Walls</i>	228
On n -abelian groups and their generalizations <i>Costantino Delizia & Antonio Tortora</i>	244
Computing with matrix groups over infinite fields <i>A. S. Detinko, B. Eick & D. L. Flannery</i>	256
Trends in infinite dimensional linear groups <i>Martyn R. Dixon, Leonid A. Kurdachenko, Jose M. Muñoz-Escolano & Javier Otal</i>	271
Engel conditions on orderable groups and in combinatorial problems (a survey) <i>Marcel Herzog, Patrizia Longobardi & Mercede Maj</i>	283

Contents of Volume 2

Introduction	ix
Algorithms for matrix groups <i>E. A. O'Brien</i>	297
Residual properties of 1-relator groups <i>Mark Sapir</i>	324
Words and groups <i>Dan Segal</i>	344
The modular isomorphism problem for the groups of order 512 <i>Bettina Eick & Alexander Kononov</i>	375
Recent progress in the symmetric generation of groups <i>Ben Fairbairn</i>	384
Discriminating groups: a comprehensive overview <i>Benjamin Fine, Anthony M. Gaglione, Alexei Myasnikov, Gerhard Rosenberger & Dennis Spellman</i>	395
Extending the Kegel Wielandt theorem through π -decomposable groups <i>L. S. Kazarin, A. Martínez-Pastor & M. D. Pérez-Ramos</i>	415
On the prime graph of a finite group <i>Behrooz Khosravi</i>	424
Applications of Lie rings with finite cyclic grading <i>E. I. Khukhro</i>	429
Pronormal subgroups and transitivity of some subgroup properties <i>Leonid A. Kurdachenko, Javier Otal & Igor Ya. Subbotin</i>	448
On Engel and positive laws <i>O. Macedońska & W. Tomaszewski</i>	461
Maximal subgroups of odd index in finite groups with simple classical socle <i>N. V. Maslova</i>	473
Some classic and nearly classic problems on varieties of groups <i>Peter M. Neumann</i>	479

Generalizations of the Sylow theorem <i>Daniła O. Revín & Evgeny P. Vdovin</i>	488
Engel groups <i>Gunnar Traustason</i>	520
Lie methods in Engel groups <i>Michael Vaughan-Lee</i>	551
On the degree of commutativity of p -groups of maximal class <i>A. Vera-López & M. A. García-Sánchez</i>	560
Class preserving automorphisms of finite p -groups: a survey <i>Manoj K. Yadav</i>	569
Symmetric colorings of finite groups <i>Yuliya Zelenyuk</i>	580