

Table of Contents

Schedule of Talks	xi
<i>A. I. Kostrikin</i>	
A word about Kurosh	1
<i>A. A. Abramov, V. O. Belash and L. F. Yukhno</i>	
Two methods for solving the linear problem of elimination	9
<i>I. Ágoston, V. Dlab and E. Lukács</i>	
Strictly stratified algebras	17
<i>N. Yu. Anisimov and E. E. Demidov</i>	
Randomness: algebraic, statistical and complexity theory aspects	27
<i>V. A. Artamonov</i>	
General quantum polynomials	35
<i>A. V. Astrelin, O. D. Golubitsky and E. V. Pankratiev</i>	
Gröbner bases and involutive bases	49
<i>Y. Bahturin, A. Giambruno and M. Zaicev</i>	
Codimension growth and graded identities	57
<i>R. M. Bryant and A. N. Krasil'nikov</i>	
On certain non-finitely based varieties of groups	77
<i>F. Campana</i>	
$\mathcal{G}$ -connectedness of compact Kähler manifolds, II.	
Solvable quotients of Kähler groups	85
<i>A. A. Davydov</i>	
Finite groups with the same character tables, Drinfel'd algebras and Galois algebras	99
<i>R. I. Grigorchuk, W. N. Herfort and P. A. Zalesskii</i>	
The profinite completion of certain torsion p -groups	113
<i>M. Grinenko</i>	
Birational correspondences of a double cone	125
<i>H. Heineken</i>	
Groups with neighborhood conditions for certain lattices	135

<i>N. K. Iyudu</i>	
Subalgebra membership problem and subalgebra standard basis	137
<i>D. A. Jordan</i>	
Graded algebras generated by Eulerian derivatives	145
<i>Y. Kachi and E. Sato</i>	
Characterizations of projective spaces and hyperquadrics	155
<i>U. Knauer</i>	
Non additive Morita theory. A survey	167
<i>A. I. Kostrikin and A. S. Dzhumadil'daev</i>	
Modular Lie algebras: new trends	181
<i>V. S. Kulikov</i>	
On generic coverings of the plane	205
<i>V. N. Latyshev</i>	
General version of standard bases in linear structures	215
<i>A. I. Lichtman</i>	
Division rings generated by group rings and enveloping algebras	227
<i>D. B. Nikolova and B. I. Plotkin</i>	
Some notes on universal algebraic geometry	237
<i>D. S. Passman and W. V. Temple</i>	
Groups with all irreducible modules of finite degree	263
<i>V. M. Petrogradsky</i>	
Schreier's formulae for free Lie algebras, their applications and asymptotics	281
<i>A. G. Pinus</i>	
Conditional terms and their applications	291
<i>Yu. G. Prokhorov</i>	
Blow-ups of canonical singularities	301
<i>A. Regev and A. Gouterman</i>	
On the growth of identities	319
<i>L. A. Shemetkov</i>	
Radical and residual classes of finite groups	331

<i>I. P. Shestakov</i>	
Speciality and deformations of algebras	345
<i>T. Vovkivsky</i>	
Infinite torsion groups arising as generalizations of the second Grigorchuk groups	357
<i>V. I. Yanchevskii</i>	
Brauer groups of curves and reciprocity law in Brauer groups of their function fields	379
<i>V. K. Zakharov and A. V. Mikhalev</i>	
Mathematical systems	397