

Algebra and Model Theory 3. – Novosibirsk: Edition of NSTU, 2001. – 162 pp.

Contents

Introduction ... 3

School Programme ... 4

N.V. Bayanova, N.Ya. Medvedev, The group of automorphisms of free vector lattice ... 8

Ivan Chajda, Ternary deductive systems ... 14

A.M.W, Glass, Central orders on linear groups ... 19

A.M.W. Glass, Convex sublattice subgroups of free Abelian lattice-ordered groups ... 23

Kazimierz Clazek, Weak automorphisms in general algebras - a short survey ... 26

K. Glazek, W. Korczyriski, On some connections between Petri nets and semirings ... 32

Waldemar Korczyfiski, On a topological presentation of hypergraphs ... 51

V.M. Kopytov, J.Rachunek, About varieties of monotonous transformations groups ... 61

B.Sh. Kulpeshov, On \aleph_0 -categorical weakly o-minimal theories of convexity rank 1 ... 71.

S.I. Mardaev, Fixed points in quasiordered Kripke models ... 76

E.V. Ovchinnikova, Non linear ordered mono-id over which the class of regular polygons composes complete but not model complete class ... 83

A.G, Pinus, Positive conditionally varieties ... 99

A.G. Pinus, S.V. Zhurkov, Some remarks on the scales of calculation potentials of n-element algebras ... 107

S.Yertigul, K.N.Ponornarev, On near-modules, near-algebras and on the notion of centroid for near-rings ... 114

Asya M. Popova, Ilya Dm. Tchernykh, Units in Integral Group Rings of Finite Groups ... 119

A.I. Stukachev, Σ -admissible families on structures of kind HYP(M) ... 126

S.V. Sudoplatov, Closed sets of side-angle matrixes and correspondent geometrical structures ... 131

Viktor V. Verbovskiy, Non-uniformly weakly o-minimal group ... 136

B.M. Vernikov, Concerning special elements of congruences' lattices of G-sets ... 146

Abstracts ... 158