

# 7<sup>th</sup> International Algebraic Conference in Ukraine

## The list of abstracts accepted for publication

- K. Aghigh.* On invariants of irreducible polynomials over a Henselian valued field
- K. Ahmadidelir, H. Doostie, A. Sadeghieh.*  $p^{\text{th}}$  roots of elements in finite groups
- S.A. Aleschenko, V.I. Arnautov.* Completion of pseudonormed rings and semi-isometric isomorphism
- V. Andriychuk.* On the elementary obstruction in linear algebraic groups over pseudoglobal fields
- A. Antonenko, E. Berkovich.* Groups generated by slowmoving automata transformations
- G. Aranda Pino, E. Pardo, M. Siles Molina.* Prime spectrum and primitive Leavitt path algebras
- V. I. Arnautov.* About metrizable, linear, group topologies of the Abelian groups, which coincide on some subgroup and on some the factor group
- O. D. Artemovych.* Radical rings with center of finite index
- I. V. Arzhantsev, A. P. Petravchuk.* On saturated subfields of invariants of finite groups
- A. Atkarskaya.* Isomorphisms of the groups  $GL_n(R)$ ,  $n \geq 4$ , over associated graded rings
- T. Banakh, S. Dimitrova and O. Gutik.* The Rees-Suschkewitsch Theorem for simple topological semigroups
- L. F. Barannyk.* Twisted group algebras of semi-wild representation type
- Yu. Bazilevich.* Similarity transformation of the pair of matrices to the best partitioned-triangular form
- L. Bedratyuk.* The Hilbert series of the algebras of joint invariants and covariants of two binary forms
- L. Bedratyuk, I. Kachuryk.* Characters of Lie algebra  $\mathfrak{sl}_3$  and  $(q, p)$ -numbers
- A. Я. Белецкий.* Алгебраические основы и приложения преобразований Грея
- G. Belozеров, P. Varbanets.* On the average value of Dirichlet's convolutions of the functions  $\tau(n)$  and  $r(n)$  in arithmetic progressions
- G. Belyavskaya, T. Popovich.* Totally conjugate-orthogonal quasigroups
- G. Belyavskaya, A. Tabarov.* Postulates of Sushkevich and linear quasigroups
- S. I. Bilavska.* Analog of Cohen's theorem for distributive Bezout domains
- S. I. Bilavska, B. V. Zabavsky.* The speciality of structure two-side ideals of elementary divisor domain
- Yu. Bodnarchuk, P. Prokofiev.* Nagata's type automorphisms as the exponents of three root locally nilpotent derivations
- E. Bonacci, M. De Paz.* Binomial properties with significant consequences about Fermat's equation and on the cosine rule
- I. Bondarenko, N. Bondarenko.* Conjugation of finite-state automorphisms of regular rooted trees
- V. M. Bondarenko, M. V. Styopochkina.* Classification of  $NP$ -critical posets

*V. M. Bondarenko, O. M. Tertychna.* Quadratic forms of semigroups generated by idempotents with partial null multiplication

*V. V. Bondarenko.* On triangular similarity of nilpotent matrices

*A. A. Борисенко.* Биномиальные системы счисления

*E. Bunina.* Automorphisms of Chevalley groups over rings

*N. Burban, O. Horbachuk.* Some properties of the class  $\mathcal{T}$  in the category of modules over different rings

*A. Chentsov.* Free Category Generated by a Partial Semigroup

*I. Chernenko.* The extensions of of proper locally finite subgroups with quasicentral sylow 2-subgroups by the quaternion group

*V.A. Chupordya, L.A. Kurdachenko, I.Ya. Subbotin.* On groups whose subgroups are either subnormal or pronormal

*D. V. Chuprakov.* About distributive property of lattices of semirings of continuous functions

*Elena P. Cojuhari.* Derivation Mappings on non-commutative rings

*O.Yu. Dashkova.* Modules over group rings of locally soluble groups with rank restrictions on some systems of subgroups

*V. Derech.* On group of automorphisms of some finite inverse semigroup

*I. I. Deriyenko.* On prolongations of quasigroups with middle translations

*S. D. Dimitrova-Burlayenko.* On connection between quasi-uniform convergence by Arcela and Alexandrov

*A. Dmytryshyn, V. Sergeichuk.* Miniversal deformations of pairs of skew-symmetric forms

*O. Domsha, B. Zabavsky.* Reduction of matrices over Kazimirsky domain

*V. Doroshenko.* Free subsemigroups in topological semigroups

*Zh. Dughey.* Central series in the unitriangular automorphism group of the ring of two polynomials variable over the field of zero characteristic

*Y. Drozd.* Tiling theory and representations of linear groups over piecewise hereditary algebras

*M. G. Drushlyak.* Finite  $p$ -groups ( $p \neq 2$ ) with non-Abelian norm of Abelian non-cyclic subgroups

*W. A. Dudek.* Neutral elements in  $n$ -ary hyperalgebras

*S. Dyachenko.* On modular representations of Rees semigroups over cyclic group of order two

*N. Dzhalyuk.* Equivalence and factorization of partitioned matrices

*S. Favorov, Ye. Kolbasina.* On a property of discrete sets in  $\mathbb{R}^k$

*S.D. Friedman, L. Zdomskyy.* Measurable Cardinals and the Cofinality of the Symmetric Group

*I. V. Fryz.* About linear cross isotopes of linear quasigroups

*N. Fugelo, O. Savastru.* Gaussian integers with divisors in narrow sectors

*S. S. Gabriyelyan.* Characterization of almost maximally almost-periodic groups

*A. Gatalevich.* Right Bezout rings with waists

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- R. Golamie.* Fibonacci length and special automorphisms  $(l, m|n, k)$ -group
- K. Golubev.* Cayley graphs, dessins d'enfants and modular curves
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- I. S. Grunsky, S. V. Sapunov.* On minimal identifiers of the vertices of the vertex-labeled graphs
- S. V. Gudzenko.* Relation  $\mathcal{J}$  on finitary factorpowers of  $S_{\mathbb{N}}$
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- Yu. Ishchuk, N. Zaslavskiy.* On Algorithms Inverting the Burau Representation
- A. Karimi Feizabadi.* Pointfree Representation of real lattice ordered linear map
- A. I. Kashu.* On classes of modules and preradicals defined by functor  $Hom_R(U, -)$
- N. Kaydan.* Quivers of finite rings
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- N. Khripchenko.* The isomorphism problem for finitary incidence rings
- M. A. Khybyna, V. V. Kyrychenko.* On Right Serial Quivers
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- M. Komarnytskyi, M. Maloyid.* Multiplication modules, in which every prime submodule is contained in unique maximal submodule
- M. Komarnytskyi, H. Zelisko.* On commutative semigroups and splitting preradicals over them
- A. Kostin.* On 0-cohomology of completely 0-simple semigroups
- O. Kotova, M. Pratsiovytyi.* On fractal properties of some Cantor-type sets related to  $Q$ -representation of real numbers
- F. Kovalchik, P. Varbanets.* On generalization of the theorem of Ramachandra
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- V. A. Kozlovskii.* Checking experiments on automata in quasimanifolds
- Г. Крайнічук.* Про розв'язання загальних функційних рівнянь, подібних до Муфанг, над квазігрупами

- N. Kroitor.* Left transitive quasigroups
- J. Kubarski.* The signature operator for graded Hilbert subdifferential Hodge spaces
- I. V. Kulakivska .* Idempotent ideals of associative rings
- I. Kyrchei.* Cramer's rule for some two-sided quaternionic matrix equations
- A. Laurinčikas.* Limit theorems for L-functions with an increasing modulus
- Yu. Leonov.* On pro-2-completion of first Grigorchuk group
- D. Limanskii.* On weakly coercive differential polynomials in two variables in the  $L^\infty$  norm
- V. Limanskii.* On isomorphisms of nilpotent decompositions of finitely generated nilpotent groups of class 3 without torsion
- I. I. Lishchynsky.* Differentially finite and endomorphically finite rings
- V. S. Luchko.* On action of derivations on nilpotent ideals of associative algebras
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- M. Lvov.* Algebraic Approach to Problem Solving of Linear Inequalities System
- F. M. Lyman, M. G. Drushlyak.* On non-periodic groups with non-Dedekind norm of Abelian non-cyclic subgroups
- V. Lyubashenko.*  $A_\infty$ -categories via operads and multicategories
- R. Mahjoob, R. Ameri.* Spectrum of Prime Fuzzy Subhypermodules
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- F. Marko.* Decomposition numbers for Schur superalgebras  $S(m|n)$  for  $m + n \leq 4$
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