

**The 4th Conference of Mathematical Society of the Republic of Moldova,
dedicated to the centenary of Vladimir Andrunachievici (1917-1997)**

CMSM4

June 28 – July 2, 2017, Chişinău, Republic of Moldova

Organizers: Institute of Mathematics and Computer Science of the Academy of Sciences of Moldova,
Moldova State University and Tiraspol State University

in co-operation with: Information Society Development Institute

Program Committee		
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Timetable

Wednesday, June 28 (Arrival):

REGISTRATION:

14.00 - 17.00 **Moldova State University (MSU)** building 4, the hall
Address: 60, Mateevici str., Chişinău

Welcome Reception:

16.00 - 18.00 **Institute of Mathematics and Computer Science**, room 340
Address: 5, Academiei str., Chişinău

Thursday, June 29, Academy of Sciences of Moldova, Blue Hall

Address: Bulevardul Ştefan cel Mare şi Sfânt 1, Chişinău

08.30 – 09.20 **REGISTRATION**

09.20 – 09.45 Opening Session

09.45 – 11.00 Plenary Session

11.00 – 11.25 Coffee break

11.25 – 12.55 Plenary Lectures

13.00 A group photo of the CMSM4 participants in front of ASM building

13.00– 13.30 DEPARTURE TO MOLDOVA STATE UNIVERSITY

13.30 – 14.30 **LUNCH**

14.30 – 19.00 WORK IN SECTIONS AT MOLDOVA STATE UNIVERSITY

Friday, June 30:

09.00 – 13.00 WORK IN SECTIONS AT MOLDOVA STATE UNIVERSITY

13.00 A group photo of the CMSM4 participants in front of MSU, building 4

13.05 – 14.00 **LUNCH**

14.00 – 18.30 WORK IN SECTIONS AT MOLDOVA STATE UNIVERSITY

19.00 – 21.00 **OFFICIAL DINNER**

Saturday, July 1: SOCIAL PROGRAM, EXCURSION TO SOROCA

Sunday, July 2: DEPARTURE

The agenda of the conference includes 45-minute plenary talks, 30-minute invited talks and 20- or 15-minute communications.

SCHEDULE

Thursday, June 29

Academy of Sciences of Moldova, Blue Hall

09.20 – 09.45 OPENING

09.45 – 10.00 I. Goian

Biographical data about V.A. Andrunakievich

10.00 – 10.15

Yu. Ryabukhin

The structural problems and theory of radicals - fundamental researches

10.15 – 11.00

B. Gardner

Later developments related to some ideas of Andrunachievici: special radicals and The Lemma

11.00 – 11.25 COFFEE BREAK

Plenary Lectures

Chairman: I. P. Shestakov

11.25 – 12.10

E. Zelmanov

Matrix Wreath Products

12.10 – 12.55

L. Bokut, Y. Chen, Z. Zhang

Groebner-Shirshov bases methods for GDN algebras and PBW type theorems

13.00 – 13.30

Departure to Moldova State University (MSU)

13.30 – 14.30

LUNCH

SECTIONS 1 & 2: Algebra and Logic, Geometry and Topology
(MSU, Building IV, room 404)

Thursday, June 29

Chairman: B. Gardner

14.30 – 15.15

A. Yu. Olshanskii

Asymptotics of isoperimetric functions of groups

- 15.15 – 16.00** **Yu. Drozd**
Stable homotopy types and representation theory
- 16.00 – 16.30** **A. Mileva, V. Dimitrova**
On Recursive Derivates of k -ary Operations
- 16.30 – 16.45** **COFFEE BREAK**

Friday, June 30

- Chairman:** **E. Zelmanov**
- 09.00 – 09.45** **I. P. Shestakov** *To be announced*
- 09.45 – 10.30** **V. Laan, L. Márki, U. Reimaa**
Morita equivalence of semigroups revisited
- 10.30 – 11.00** **S. Vostokov, P. Pital**
Pairing on Lorentz formal modules
- 11.00 – 11.15** **COFFEE BREAK**

SECTION 1: Algebra and Logic
(MSU, Building IV, room 404)

Thursday, June 29

- Chairman:** **A. Yu. Olshanskii**
- 16.45 – 17.15** **S. Afanaseva, E. Ikonnikova**
Arithmetic of π_0 -critical module
- 17.15 – 17.35** **O. Gok**
On the duality of the class of biorthomorphisms
- 17.35 – 17.55** **D. Chuprakov**
Algorithm for constructing finite idempotent cyclic semirings with commutative addition
- 17.55 – 18.15** **S. Vostokov, V. Volkov**
Explicit formula for Hilbert symbol of polynomial formal group over multidimensional local field
- 18.15 – 18.35** **V. Izbash**
On the orthogonal groupoids

Friday, June 30

Chairman: Yu. Drozd

11.15– 11.35 I. Raievska, M. Raievska, Ya. Sysak
Local nearrings of order 243

11.35– 11.55 A. Moldovyan, N. Moldovyan, V. Shcherbacov
Non-commutative finite rings with several mutually associative multiplication operations

11.55 – 12.15 A. Kashu
On some new characterizations of pretorsions of a module category

12.15 – 12.35 E. Kuznetsov
Infinite sharply 2-transitive permutation groups

12.35 – 12.55 I. Larionova-Cojocaru, P. Syrbu
On invariance of recursive differentiability under the isotopy of left Bol loops

13.00 – 14.00 LUNCH

Chairman: L. Bokut

14.00 – 14.30 E. Cojuhari, B. J. Gardner
Preservation of radicals by generalizations of derivations

14.30 – 15.00 P. Syrbu
On a generalization of the inner mapping group

15.00 – 15.30 I. Drugus
Generalized Boolean Algebras as Single Composition Systems for Measure Theory

15.30 – 16.00 V. V. Skobelev, V. G. Skobelev
Reversible Automata on Finite Quasigroups

16.00 – 16.15 COFFEE BREAK

Chairman: L. Marki

16.15 – 16.35 O. Izbash
About model completeness in the provability-intuitionistic logic and its extensions

- 16.35 – 16.55** **N. Didurik**
Generalized WIP-quasigroups
- 16.55 – 17.15** **I. Jordan**
On the left coquotient with respect to meet for pretorsions in modules
- 17.15 – 17.35** **L. Ursu**
About one special inversion matrix of non-symmetric n -IP-loop
- 17.35 – 17.55** **I. Grecu**
Pseudo-automorphisms of middle Bol loops
- 17.55 – 18.15** **A. Rusu, E. Rusu**
On existential expressibility of formulas in the simplest non-trivial super-intuitionistic propositional logic
- 18.15 – 18.35** **R. Skuratovskii**
Structure of commutant and centralizer of Sylow 2-subgroups of alternating group Syl_2A_n , minimal generating sets of Syl_2A_n and its application in cryptography

SECTION 2: Geometry and Topology

(MSU, Building IV, room 401)

Thursday, June 29

- Chairman:** **A. Lungu**
- 16.45-17.15** **M. Choban**
Conditions of Finiteness and Algebraical Properties of Topological Spaces
- 17.15-17.45** **N. Anghel**
Curvature Bundle Morphisms for Hypersurface Generalized Dirac Operators
- 17.45-18.15** **V. Popa**
DCC on closed ideals in rings of continuous endomorphisms of LCA groups
- 18.15-18.45** **I. Gutsul**
On polyhedra in H^3 with right dihedral angles

Friday, June 30

Chairman: **N. Anghel**

11.15 – 11.45 **V.I. Arnautov, G.N. Ermakova**
Properties of the lattice of ring topologies

11.45 – 12.05 **M. Incesu, O. Gürsoy**
The First Fundamental Theorem for Similarity Groups in D^3 and Application to Integral B- Splines

12.05 - 12.25 **A. Lungu**
The generalized symmetry of the geometrical figures regularly weighted by scalar tasks

12.25 - 12.45 **L. Chiriac, L. Chiriac Jr., N. Josu**
Subtractive Topological Quasigroups

12.45 - 13.05 **E. Zamorzaeva**
On isohedral tilings for hyperbolic group of genus 2 by tiles with large number of edges

13.05 – 14.00 **LUNCH**

Chairman: **M. M. Choban**

14.00 - 14.30 **D. Botnaru**
The semireflexive subcategories

14.30 - 14.50 **L. Calmuțchi**
Methods of construction of Hausdorff extensions

14.50 - 15.10 **I. Gutsul**
On octahedral manifolds and their completions

15.10 - 15.30 **V. Balcan**
The global behavior of geodesics on hyperbolic manifolds

15.30 - 15.50 **S. A. Aleschenko**
Semidirect product of pseudonormed rings and semi-isometric somorphism

16.00 – 16.15 **COFFEE BREAK**

Chairman: **V. Popa**

16.15 - 16.35 **M. Choban, I. Ciobanu**
On hyperalgebras with conditions of homogeneity

- 16.35 - 16.55** **A. Popa**
String Theory Phenomenology Without Compactification or Localisation
- 16.55 - 17.15** **D. I. Pavel**
On Set-Valued Periodic Functions on Topological Spaces
- 17.15 - 17.35** **L. Solovei**
Construction of pointwise lattices in Euclidean and Minkowski spaces with some given properties

SECTION 3: Analysis, Differential Equations and Dynamical Systems
(MSU, Building IV, room 214)

Thursday, June 29

- Chairmen:** **A. Perjan, I. I. Vrabie**
- 14.30 - 15.00** **I. I. Vrabie**
A class of nonlocal semilinear delay evolutions
- 15.00 - 15.15** **J. Henderson, R. Luca**
Positive solutions for a system of difference equations
- 15.15 - 15.30** **C.-I. Gheorghiu**
Stable Spectral Collocation Solutions to Cauchy Problems for Nonlinear Dispersive Wave Equations
- 15.30 - 15.45** **D. Cheban**
Linear Stochastic Differential Equations and Nonautonomous Dynamical Systems
- 15.45 - 16.00** **A. Perjan, G. Rusu**
Abstract linear second order differential equations with two small parameters and depending on time operators
- 16.00 - 16.15** **Y. Menshikov**
Uncontrollable Distortions in Inverse Problems for Dynamical Systems
- 16.15 - 16.30** **O. Pokutnyi**
Boundary value problems for the Schrödinger equation with conditions at infinity
- 16.30 - 16.45** **COFFEE BREAK**

- Chairmen:** **D. Cheban, R. Luca**
- 16.45 – 17.00** **A. Testici, D. M. Israfilov**
Improved Direct and Inverse Theorems in Weighted Lebesgue Spaces with Variable Exponent
- 17.00 – 17.15** **D. M. Israfilov, A. Testici**
Simultaneous Approximation in Weighted Lebesgue Spaces with Variable Exponent
- 17.15 – 17.30** **V. Neagu**
On the Riemann boundary value problem in the case of a piecewise Lyapunov contour
- 17.30 - 17.45** **S. E. Vlad**
Morphisms and antimorphisms of Boolean evolution and antievolution functions
- 17.45 – 18.00** **Şebnem Yildiz**
Absolute Matrix Summability Factors of Involving quasi-f-power Increasing Sequence
- 18.00 – 18.15** **Şebnem Yildiz**
A New Generalization on the Absolute Riesz Summability
- 18.15 – 18.30** **Huseyin Cakalli**
Up continuity
- 18.30 – 18.45** **V. Glavan, V. Guţu**
Topological mixing and specification in weakly contracting relations

Friday, June 30

- Chairmen:** **M. Popa, Y. Bihun**
- 09.00 – 09.30** **Y. Bihun, R. Petryshyn, I. Krasnokuska**
Averaging in Multifrequency Systems with Linearly Transformed Arguments and with Point and Integral Conditions
- 09.30 – 09.45** **I. Cherevko, O. Osypova**
Decomposition of multiparameter linear singularly perturbed systems

- 09.45 – 10.00** **V. Dryuma**
Duality and a Riemann metrics in theory of a second order ODE's
- 10.00 – 10.15** **B. Zlatanovska, D. Dimovski**
Systems of differential equations approximating the Lorenz system
- 10.15 – 10.30** **S. Ciubotaru, Iu. Calin**
The Lyapunov quantities and the $GL(2,R)$ -invariant center conditions for a class of bidimensional polynomial systems of differential equations with nonlinearities of the fourth degree
- 10.30 – 10.45** **D. Cozma, A. Dascalescu**
Integrability conditions for a cubic differential system with a bundle of two invariant straight lines and one invariant cubic
- 10.45 – 11.00** **A. Şubă, O. Vacaraş**
Quartic differential systems with an affine real invariant straight line of algebraic multiplicity two and three
- 11.00 – 11.15** **COFFEE BREAK**
- Chairmen:** **D. Cozma, A. Şubă**
- 11.15 – 11.30** **C. Bujac, N. Vulpe**
Phase portraits of cubic differential systems with invariant straight lines of total multiplicity eight
- 11.30 – 11.45** **V. Orlov, M. Popa**
On periodic solutions of the four-dimensional differential system of Lyapunov-Darboux type with quadratic nonlinearities
- 11.45 – 12.00** **N. Neagu, V. Orlov, M. Popa**
Invariant conditions of stability of unperturbed motion for differential systems with quadratic nonlinearities in the critical case
- 12.00 – 12.15** **V. Pricop**
Computation of common Hilbert series for the differential system $s(1,3,5,7)$ using the residue theorem
- 12.15 – 12.30** **N. Vulpe, D. Schlomiuk**
Classification of quadratic systems possessing an invariant conic and a Darboux invariant
- 12.30 – 12.45** **M. Ivanchov, N. Kinash**
Inverse Problem For 2D Heat Equation

SECTION 4: Applied Mathematics

(MSU, Building IV, room 213a)

Thursday, June 29

Chairman: A.D. Kolesnik

- 14.30 – 15.00** **N. Ratanov**
Piecewise linear processes
- 15.00 – 15.30** **S. Moiseenko, G. Bisnovaty-Kogan, N. Ardelyan**
Operator-difference method for astrophysical MHD problems
- 15.30 – 16.00** **J. Cochran**
Statistics and collective science: reasons for concern
- 16.00 – 16.15** **Gh. Mishkoy, L. Mitev**
Numerical modeling of the performance characteristics for exhaustive polling models
- 16.15 – 16.30** **K. Yildirim**
On the control of a nonlinear beam
- 16.30 – 16.45** **COFFEE BREAK**
- Chairman:** **N. Ratanov**
- 16.45 – 17.00** **A.D. Kolesnik**
Conditional characteristic functions for the multidimensional Markov random flight
- 17.00 – 17.15** **A.D. Kolesnik, A. Nani**
Monte Carlo simulation of the finite-velocity random walks in one and two dimensions
- 17.15 – 17.30** **M. Capcelea, T. Capcelea**
Algorithm for the localization of singularities of functions defined on closed contours
- 17.30 – 17.45** **V. Ungureanu**
Finding the set of all Nash equilibria of a polymatrix mixed-strategy game
- 17.45 – 18.00** **T. Paşa, V. Ungureanu**
Wolfram Mathematica as an environment for solving concave network transportation problems

Friday, June 30

Teaching Effectiveness Colloquium

(MSU, Building IV, room 213a)

Chairman: J. Cochran

09.00 – 10.00 J. Cochran

Active Learning to Increase Comprehension and Retention of Applied Mathematics

10.00 – 11.00 R. Peck

Using Hands-On Activities to Develop Students' Statistical Thinking

11.00 – 11.15 COFFEE BREAK

11.15 – 12.00 M. Yavuz

Interactive Methods for Teaching Operations Research

Continuing SECTION 4: Applied Mathematics

(MSU, Building IV, room 213a)

Chairman: S. Moiseenko

12.00 – 12.30 D. Lozovanu, S. Pickl

Stationary Nash Equilibria for Stochastic Games

12.30 – 12.45 V. Pațiuć, G. Rîbacova

Numerical method for calculating electrical power in a multiwire transmission line

12.45 – 13.00 E. Guțuleac, G. Secrieru

Mathematical modeling of the elastic-plastic barrier behavior under high-speed load

13.00 – 14.00 LUNCH

Chairman: V. Pațiuć

14.00 – 14.15 M. Migdalovici, S. Cononovici, G. Secrieru, L. Vlădăreanu, D. Baran, G. Vlădeanu

On Stability Improvement of Environment's Dynamic Systems

- 14.15 – 14.30** **C. Fetecau, D. Vieru, W.A. Azhar**
Hydromagnetic natural convection flow of fractional nanofluids over a permeable moving heated plate
- 14.30 – 14.45** **I. Dmitrieva, D. Larin**
The explicit solution and computer modeling of the spatial electrodynamic problem
- 14.45 – 15.00** **S. Cataranciuc, G. Braguța**
 d^m – convex functions in the complex of multi-ary relations
- 15.00 – 15.15** **I. Secrieru**
The stability analysis of approximate schemes for the plane fractional order diffusion equation
- 15.15 – 15.30** **E. Naval, V. Ghereg**
Input-Output model for Republic of Moldova
- 15.30 – 15.45** **B. Hâncu**
Parallel algorithm to find the Bayes-Nash solution in the informational extended game
- 15.45 – 16.00** **A. Tkacenko**
Fuzzy multicriterial optimizations in the transportation problem
- 16.00 – 16.15** **COFFEE BREAK**
- Chairman:** **S. Cataranciuc**
- 16.15 – 16.30** **R. Buzatu**
Maximum nontrivial convex cover of a tree
- 16.30 – 16.45** **A. Gladei**
Parallel algorithm to solve the bimatriceal subgames generated by the informational extended strategies
- 16.45 – 17.00** **A. Godonoagă, L. Golban**
Modification of the Savage's decision criterion for continuous processes

SECTION 5: Computer Science and IT

(MSU, Building IV, room 222)

Thursday, June 29

Chairmen: T. Jebelean, B. Aman

14.30 – 15.00 T. Jebelean
Algebraic Methods in Automated Reasoning

15.00 – 15.15 B. Aman, G. Ciobanu
Algebraic Laws of Timed Mobile Processes

15.15 – 15.30 I. Budanaev
On the Bisector of a Pair of Strings

15.30 – 15.45 V. Arnaut, I. Andrieş
Images processing tools for data measurements from interferograms

15.45 – 16.00 I. Minea, A. Iftene
News on Twitter

16.00 – 16.15 I. Titchiev
Disaster response by simulation using GSPNs

16.15 – 16.30 V. Cozlov, M. Petic
Downloading useful information from Web with the help of a Crawler

16.30 – 16.45 COFFEE BREAK

17.00 – 17.15 V. Grinshpun
A linear model for multidimensional Big Data visualization

Friday, June 30

Chairmen: M. Nikitchenko, C. Gaiandric

09.00 – 09.30 M. Nikitchenko, S. Shkilniak
Partiality and Non-determinism in Program-oriented Algebras and Logics

09.30 – 09.45 C. Mărănduc, F. Hociung, V. Bobicev
Treebank Annotator for multiple formats and conventions

- 09.45 – 10.00** **L. Burtseva, V. Demidova**
Building of P system based tools for diachronic text analysis
- 10.00 – 10.15** **C. Ciubotaru, A. Colesnicov, L. Malahov**
Vitalization of Moldavian Printings (1967-1989)
- 10.15 – 10.30** **T. Bumbu, S. Cojocaru, A. Colesnicov, L. Malahov, Ş.Ungur**
User Interface to Access Old Romanian Documents
- 10.30 – 10.45** **S. Cojocaru, C. Gaindric, O. Popcova, I. Secrieru**
Concept of health self-assessment informational tools for preventable strokes
- 10.45 – 11.00** **V. Iamandi**
Romanian Spelling and Grammar Checking Systems
- 11.00 – 11.15** **COFFEE BREAK**
- Chairmen:** **V. G. Skobelev, M. Petic**
- 11.15 – 11.45** **V. G. Skobelev, M. Nikitchenko, I. Ivanov**
Nominative data with ordered set of names (invited talk)
- 11.45 – 12.00** **Gh. Capatana, V. Ciobu, F. Paladi**
Adaptive Application for Complex Systems Modeling
- 12.00 – 12.15** **V. Popukaylo**
Development of the Decision Support System for Test Baking
- 12.15 – 12.30** **P. Bogatencov, N. Degteariov, N. Iliuha, G. Horos**
Virtualized Infrastructure for Integration Heterogeneous Resources
- 13.00 – 14.00** **LUNCH**
- Chairmen:** **A.V. Lyaletski, G. Magariu**
- 14.00 – 14.30** **A.V. Lyaletski**
Goal-Driven Machine Proof Search in Intuitionistic First-Order Logic
- 14.30 – 14.45** **G. Magariu, T. Verlan**
Variety of stroke prediction models, risk factors and underlying data sets
- 14.45 – 15.00** **D. Luca, T. Verlan**
Preparation of article-level metadata with bibliography lists

15.00 – 15.15 **A.A. Lyaletsky**
Refutation Search and Literal Trees Calculi

SECTION 6: Didactics of Mathematics and Informatics
(MSU, Building IV, room 113)

Thursday, June 29

Chairman: L. Calmuțchi

14.30 – 15.00 **A. Gremalschi**
*Dezvoltarea curriculară la Informatică: o sinergie a
matematicii și tehnologiilor digitale*

15.00 – 15.30 **I. Lupu, V. Cabac**
*Impactul tehnologiilor moderne asupra evoluției didacticii
universitare*

15.30 – 16.00 **A. Braicov, A. Globa**
*Soluții originale pentru probleme de informatică și
matematică competitivă*

16.00 – 16.30 **M. Teleucă, L. Sali**
*Modalități de organizare a traseelor de învățare pentru
descoperirea soluțiilor problemelor de concurs*

16.30 – 16.45 **COFFEE BREAK**

Subsection: Didactics of Mathematics

(MSU, Building IV, room 113)

Chairman: I. Lupu

16.45 – 17.05 **L. Zastînceanu**
*Inițierea viitorilor profesori de matematică în elaborarea
tehnologiilor didactice de autor*

17.05 – 17.25 **N. Gașitoi**
*Predarea și învățarea conceptelor de Analiză matematică cu
ajutorul activității Lecție pe platforma de instruire MOODLE*

17.25 – 17.45 **V. Jardan**
Importanța inegalităților clasice

- 17.45 – 18.05** **D. Afanas**
Rezolvarea unor sisteme de ecuații neliniare utilizând produsul scalar a doi vectori
- 18.05 – 18.25** **V. Banari, L. Solovei**
Method of coordinates in the lyceum course of geometry
- 18.25 – 18.45** **O. Izbaș, V. Izbaș, V. Baltag**
Aplicarea tabelor la rezolvarea problemelor de logică
- 18.45 – 19.05** **O. Izbaș, V. Izbaș, V. Baltag**
Principiile supraîncărcării și subîncărcării în rezolvarea problemelor de geometrie

Subsection: Didactics of Informatics

(MSU, Building IV, room 218)

- Chairman:** **A. Braicov**
- 16.45 – 17.05** **M. Pavel**
Cultura scrierii electronice sau „caligrafia digitală” - competență esențială a profesorilor de informatică
- 17.05 – 17.25** **L. Popov, A. Parahonco**
Testarea adaptivă la unitatea de curs Tehnologii Informaționale și Comunicaționale pentru specialitatea universitară Pedagogie în învățământul primar
- 17.25 – 17.45** **C. Negara**
Realizarea feed-back-ului imediat în cadrul prelegerilor
- 17.45 – 18.05** **T. Veverița**
Aspecte metodologice de dezvoltare a competențelor digitale la studenții filologi
- 18.05 – 18.25** **D. Moglan**
The experience of using the Moodle system at training of students at discipline “Fundamentals of Programming”
- 18.25 – 18.45** **R. Evdochimov**
Utilizarea web service pentru organizarea instruirii la unitatea de curs universitar Tehnologii informaționale și comunicaționale
- 18.45 – 19.05** **N. Bleandura**
Issues in elaborating families of situations for competence development

Friday, June 30

Subsection: Didactics of Mathematics

(MSU, Building IV, room 113)

- Chairman:** **A. Hariton**
- 09.00 – 09.20** **A. Hariton, L. Calmuțchi**
Unele probleme ale didacticii matematicii în Republica Moldova
- 09.20 – 09.40** **V. Puțuntica**
Calculul numeric de integrare a funcțiilor în softul Mathematica
- 09.40 – 10.00** **V. Ceapa**
Evaluarea rezultatelor școlare la matematică
- 10.00 – 10.20** **I. Goian, V. Marin, V. Neagu**
Încă o dată despre numere reale
- 10.20 – 10.40** **A. Ștefan**
Ideale ale subinelurilor inelului $M_n(R)$
- 10.40 – 11.00** **A. Corlat, D. Ivanov, V. Malachi**
Matematica de buzunar
- 11.00 – 11.15** **COFFEE BREAK**
- Chairman:** **L. Sali**
- 11.15 – 11.35** **O. Țaran, M. Cioban**
Organizarea activităților extracurriculare la matematică
- 11.35 – 11.55** **A. Nitrean, M. Cioban**
Aspecte metodologice în predarea volumului corpurilor
- 11.55 – 12.15** **I. Ciobanu**
Vizualizarea curbării unei curbe prin intermediul softului interactiv GeoGebra
- 12.15 – 12.35** **A. Țurcanu**
Aplicarea metodei celor mai mici pătrate la studierea corelației dintre părțile corpului uman
- 12.35 – 12.55** **P. Macari, L. Macari**
Funcția generatoare a Șirului Fibonacci și unele aplicații

12.55 – 13.00	DISCUSSIONS
13.00 – 14.00	LUNCH
Chairman:	D. Afanas
14.00 – 14.20	V. Seiciuc <i>On Collocation Algorithms in Solving of some Nonlinear Singular Integral Equations with Carleman shift in Lebesgue spaces</i>
14.20 – 14.40	V. Bordan, V. Bordan <i>Metoda rezolventei de rezolvare a ecuațiilor iraționale</i>
14.40 – 15.00	A. Berejanschi <i>Organizarea integrată a procesului educațional la matematică în învățământul profesional tehnic</i>
15.00 – 15.20	D. Botnaru <i>Aplicarea proprietăților funcției continue la rezolvarea problemelor de algebră</i>
15.20 – 15.40	B. Rublyov <i>Структура математических соревнований в Киеве и Украине</i>
15.40 – 16.00	F. M. Sokhatsky <i>A generalization of Laplace and Cauchy-Binet formulas</i>
16.00 – 16.20	I. Codreanu, M. Lascu, T. Zvonaru <i>O modalitate de a obține inegalități – intercalarea</i>
16.30 – 16.45	COFFEE BREAK
16.45 – 17.05	C. В. Востоков, И. Б. Жуков <i>Математическая олимпиада «Формула Единства» / «Третье тысячелетие»</i>
17.05 – 17.25	N. Kuhai, M. Kalinichenko <i>Methodological knowledge of technological level of future mathematics teacher</i>

Subsection: Didactics of Informatics

(MSU, Building IV, room 218)

- Chairman:** **L. Chiriac**
- 09.00 – 09.20** **A. Globa**
Evoluția calitativă a procesului de studiere a informaticii în învățământul universitar din Republica Moldova
- 09.20 – 09.40** **V. Bogdanova, L. Chiriac**
Implementarea Tehnologiilor Informaționale în procesul de studiere a cursului „Protecția și Securitatea Informațiilor”
- 09.40 – 10.00** **Z. Stepanov**
Особенности обучения программированию в гимназии на основе использования среды Scratch
- 10.00 – 10.20** **A. Banul, D. Pavel**
Методологические основы разработки электронных обучающих программ
- 10.20 – 10.40** **V. Covalschi**
Abordări didactice privind aplicarea modelării matematice la soluționarea problemelor din ecologie
- 10.40 – 11.00** **Gh. Cabac**
Aspecte teoretice ale generării conținuturilor dinamice în instruire
- 11.00 – 11.15** **COFFEE BREAK**
- Chairman:** **V. Cabac**
- 11.15 – 11.35** **A. Gasnaș**
Determinarea nivelului de pregătire a studenților pentru utilizarea platformelor LMS
- 11.35 – 11.55** **L. Chiriac, M. Bostan**
Aspecte didactice privind studierea algoritmilor pentru determinarea drumurilor minime în grafuri
- 11.55 – 12.15** **T. Vascan**
Predarea și învățarea gândirii interdisciplinare în învățământul superior
- 12.15 – 12.35** **V. Seiciuc**
Unele criterii de proiectare și elaborare a Test-Jocurilor de instruire pe dispozitive mobile și PC
- 12.35 – 12.55** **V. Postolachi, M. Pluta**
Utilizarea tehnologiilor informaționale la efectuarea experimentului fizic în medii virtuale
- 12.55 – 13.00** **DISCUSSIONS**