

INTERNATIONAL MATHEMATICAL FORUM VIII



PROGRAM

**International Conference
“Order Analysis and Related Problems
of Mathematical Modeling XIV”**

**3-8 July, 2017
Russia, Tsey Gorge**

**Vladikavkaz Scientific Centre
of the Russian Academy of Sciences
Southern Mathematical Institute – the Affiliate of Vladikavkaz
Scientific Centre of the Russian Academy of Sciences
North-Ossetian State University
Southern Federal University**

PROGRAM

**International Conference
“Order Analysis and Related Problems
of Mathematical Modeling XIV”¹**

July 3–8, 2017
Russia, Tsey Gorge

¹ Supported by Russian Foundation for Basic Research, project № 17-31-10165.

The Program Committee:

Abanin Alexander (Rostov-on-Don, Russia)
Andreucci Daniel (Rome, Italy)
Fang Xiaochun (Shanghai, China)
Korobeynik Yury (Rostov-on-Don, Russia)
Kutateladze Semen (Novosibirsk, Russia)
Moslehian Sal Moslehian (Mashhad, Iran)
Shabat Aleksey (Cherkessk, Russia)
Smirnov Smirnov Eugeny (Yaroslavl, Russia)
Paditz Ludwig (Dresden, Germany)
Weber Martin (Dresden, Germany)

The Organizing Committee:

Chairman: Kusraev Anatoly (Vladikavkaz, Russia)

Abaturova Vera (Vladikavkaz, Russia)
Vatulyan Alexander (Rostov-on-Don, Russia)
Vespri Vincenzo (Florence, Italy)
Emel'yanov Eduard (Ankara, Turkey)
Kamenetcky Evgeny (Vladikavkaz, Russia)
Kunduhova Al'bina (Vladikavkaz, Russia)
Kusraeva Zalina (Vladikavkaz, Russia)
Magaril-II'yaev George (Moscow, Russia)
Malova Irina (Bryansk, Russia)
Revasova Ekaterina (Vladikavkaz, Russia)
Tedeev Anatoly (Vladikavkaz, Russia)
Sharapudinov Idris (Makhachkala, Russia)

Secretary: Tasoev Batradz (Vladikavkaz, Russia)

The program of the Conference includes plenary lectures (45 minutes), contributed talks (20 minutes) and short communications

SCHEDULE

3 July (Monday)

- 9⁰⁰ -9³⁰ – Breakfast
- 10⁰⁰ -10¹⁵ – Opening
- 10¹⁵ -13⁴⁵ – Plenary session
- 14⁰⁰ -15⁰⁰ – Lunch
- 15³⁰ -17⁴⁰ – Contributed talks
- 19⁰⁰ -20⁰⁰ – Supper

4 July (Tuesday)

- 9⁰⁰ -9³⁰ – Breakfast
- 10⁰⁰ -13³⁰ – Plenary session
- 14⁰⁰ -15⁰⁰ – Lunch
- 15³⁰ -18⁰⁰ – Contributed talks
- 19⁰⁰ -20⁰⁰ – Supper

5 July (Wednesday)

- 9⁰⁰ -9³⁰ – Breakfast
- 10⁰⁰ -13³⁰ – Plenary session
- 14⁰⁰ -15⁰⁰ – Lunch
- 16⁰⁰ -17⁰⁰ – Concert
- 18⁰⁰ -21⁰⁰ – Banquet

6 July (Thursday)

- 9⁰⁰ -9³⁰ – Breakfast
- 10⁰⁰ -13³⁰ – Plenary session
- 14⁰⁰ -15⁰⁰ – Lunch
- 15³⁰ -18⁰⁰ – Contributed talks
- 19⁰⁰ -20⁰⁰ – Supper

7 July (Friday)

- 9⁰⁰ -9³⁰ – Breakfast
- 10⁰⁰ -13³⁰ – Plenary session
- 14⁰⁰ -15⁰⁰ – Lunch
- 15³⁰ -18⁰⁰ – Contributed talks
- 19⁰⁰ -20⁰⁰ – Supper

8 July (Saturday)

- 9⁰⁰ -9³⁰ – Breakfast
- 12⁰⁰ – Closing

PLENARY SESSION

Place: Hotel "Victoria", conference room

July 3 (Monday)

- 10⁰⁰-10¹⁵ **Opening**
- 10¹⁵ -11⁰⁰ **Abanin Alexander** (Rostov-on-Don, Russia)
"Invariant subspaces of the classical operators in weighted spaces of holomorphic functions"
- 11⁰⁰ -11⁴⁵ **Kusraev Anatoly** (Vladikavkaz, Russia),
Tasoev Batradz (Vladikavkaz, Russia)
"Representation of Quasi-Banach Lattices"
- 11⁴⁵ -12¹⁵ **Break**
- 12¹⁵ -13⁰⁰ **Tedeev Anatoly** (Vladikavkaz, Russia)
"Some qualitative properties of doubly degenerate parabolic equations with inhomogeneous density"
- 13⁰⁰ -13⁴⁵ **Gliklikh Yury** (Voronezh, Russia)
"Optimal solutions of equations and inclusions with mean derivatives"

July 4 (Tuesday)

- 10⁰⁰ -10⁴⁵ **Vatulyan Aleksander** (Rostov-on-Don, Russia),
Nesterov Sergey (Rostov-on-Don, Russia)
"Inhomogeneous materials with coatings: modelling and identification"
- 10⁴⁵ -11³⁰ **Anil Kumar Karn** (Bhubaneswar, India)
"Orthogonality in C*-algebras"
- 11³⁰ -12⁰⁰ **Break**
- 12⁰⁰ -12⁴⁵ **Sharapudinov Idris** (Makhachkala, Russia)
"Mean convergence of Fourier -Jacobi sums in variable exponent Lebesgue spaces "
- 12⁴⁵ -13³⁰ **Ilin Konstantin** (York, United Kingdom),
Morgulis Andrey (Rostov-on-Don, Russia)
"Nonlinear waves on the Couette-Taylor flow with through flow"

July 5 (Wednesday)

- $10^{00} - 10^{45}$ **Pliev Marat** (Vladikavkaz, Russia)
“Order unbounded orthogonally additive operators in vector lattices”
- $10^{45} - 11^{30}$ **Paditz Ludwig** (Dresden, Germany)
“Nonlinear and quasilinear regression with ClassPad-software, using the Marquardt-Levenberg algorithm”
- $11^{30} - 12^{00}$ **Break**
- $12^{00} - 12^{45}$ **Muravnik Andrey** (Voronezh, Russia)
“On positive solutions of quasilinear parabolic equations degenerating at infinity”
- $12^{45} - 13^{30}$ **Nikonorov Yury** (Volgodonsk, Russia),
Nikonorova Yulia (Volgodonsk, Russia),
Chen Z. (Tianjin, China)
“On invariant Einstein metrics on Ledger-Obata spaces”

July 6 (Thursday)

- $10^{00} - 10^{45}$ **Karapetyants Alexey** (Rostov-on-Don, Russia)
“On boundedness of Bergman projections in some new Banach spaces of analytic functions”
- $10^{45} - 11^{30}$ **Sitnik Sergei** (Voronezh, Russia)
“Generalizations of Cauchy-Bunyakowsky inequalities with applications”
- $11^{30} - 12^{00}$ **Break**
- $12^{00} - 12^{45}$ **Klimentov Sergey** (Rostov-on-Don, Russia)
“Isomorphism of some integro-differential and singular operators”
- $12^{45} - 13^{30}$ **Lapin Kiril** (Saransk, Russia)
“Lyapunov vector functions and Poisson boundedness of solutions”

July 7 (Friday)

- 10⁰⁰ -10⁴⁵ ***Koibaev Vladimir*** (Vladikavkaz, Russia)
“Elementary nets in linear groups”
- 10⁴⁵ -11³⁰ ***Kovalevsky Alexander*** (Ekaterinburg, Russia)
“Variation problems with point-wise functional constraints
in variable domains”
- 11³⁰ -12⁰⁰ **Break**
- 12⁰⁰ -12⁴⁵ ***Vagabov Abdulvagab*** (Makhachkala, Russia)
“Fourier series on root functions of a differential bunch
of the tenth order with fivefold characteristics”
- 12⁴⁵ -13³⁰ ***Levenshtam Valeriy*** (Rostov-on-Don, Russia)
“Recovery right part of the evolutionary equation
for the incomplete asymptotic his solution”

CONTRIBUTED TALKS I
“MATHEMATICAL ANALYSIS”

Chair: Prof. Abanin Alexander
Place: Hotel “Skazka”, conference room 1

July 3 (Monday)

- 15³⁰ -15⁵⁰ ***Kaplitskii Vitalii*** (Rostov-on-Don, Russia)
“Estimates of the rate of decrease of the eigenfunctions of integral operators in unbounded domains and their applications in statistical mechanics”
- 15⁵⁰ -16¹⁰ ***Dronov Alecksey*** (Rostov-on-Don, Russia)
“Interpolation of operators bounded on cones in the Banach spaces of sequences”
- 16¹⁰ -16³⁰ ***Kusraeva Zalina*** (Vladikavkaz, Russia)
“A factorization result and Grothendieck’s inequality for polynomials”
- 17⁰⁰ -19⁰⁰ ***Excursion***

July 4 (Tuesday)

- 15³⁰ -15⁵⁰ ***Akniyev Gasan*** (Makhachkala, Russia)
“On the solution of first kind integral equations”
- 15⁵⁰ -16¹⁰ ***Sharapudinov Timur*** (Makhachkala, Russia)
“Polynomials, orthogonal on Sobolev, derived by the Chebyshev polynomials, orthogonal on the net”
- 16¹⁰ -16³⁰ ***Sharapudinov Timur*** (Makhachkala, Russia)
“Approximative properties of repeated Vallee Poussin means for piecewise smooth functions”
- 16³⁰ -17⁰⁰ ***Break***
- 17⁰⁰ -17²⁰ ***Shakh-Emirov Tadgidin*** (Makhachkala, Russia)
“Some questions of approximation theory in Lebesgue spaces with variable exponent”

- 17²⁰ -17⁴⁰ **Magomed-Kasumov Magomedrasul** (Makhachkala, Russia)
 “Approximation of piecewise smooth functions by trigonometric Fourier sums and Vallee-Poussin means”
- 17⁴⁰ -18⁰⁰ **Sultanakhmedov Murad** (Makhachkala, Russia)
 “Approximation of functions by special Chebyshev wavelets of second kind”

July 5 (Wednesday)

- 16⁰⁰ -17⁰⁰ **Concert**
- 18⁰⁰ -21⁰⁰ **Banquet**

July 6 (Thursday)

- 15³⁰ -15⁵⁰ **Umarkhadzhiev Salaudin** (Grosny, Russia)
 “Hardy operators in grand Lebesgue spaces”
- 15⁵⁰ -16¹⁰ **Pasenchuk Alexandr** (Rostov-on-Don, Russia)
 “Custom partial multiplicative theory of two-dimensional Toeplitz operators”
- 16¹⁰ -16³⁰ **Muratov Mustafa** (Simferopol, Crimea),
Pashkova Yulia (Simferopol, Crimea),
Chilin Vladimir (Tashkent, Uzbekistan)
 “Maximal commutative *-subalgebras of the algebra of locally measurable operators”
- 16³⁰ -17⁰⁰ **Break**
- 17⁰⁰ -17²⁰ **Abasov Nariman** (Moscow, Russia)
 “The Hewit-Yosidat theorem for majorized Urysohn operators”
- 17²⁰ -17⁴⁰ **Ivanova Olga** (Rostov-on-Don, Russia)
 “On the convolution of analytic functionals”
- 17⁴⁰ -18⁰⁰ **Elsaev Yakub** (Grosny, Russia)
 “Radon-Nikodym theorem for covariant matrix completely positive map”

July 7 (Friday)

- 15³⁰ -15⁵⁰ **Shubarin Mikhael** (Rostov-on-Don, Russia)
 “Remarks on bounded operators between interpolation spaces”
- 15⁵⁰ -16¹⁰ **Stukopin Vladimir** (Rostov-on-Don, Russia)
 “Asymptotic of eigenvalues of large Toeplitz matrices”

- 16¹⁰-16³⁰ **Beshtokova Zaryana** (Nalchik, Russia)
“A priori estimate for solution for a degenerating differential equation of parabolic type with Riemann-Liouville fractional derivatives”
- 16³⁰-17⁰⁰ **Break**
- 17⁰⁰-17²⁰ **Andreeva Tatiana** (Rostov-on-Don, Russia)
“The surjectivity criterion for convolution operators on the weighted spaces of analytic functions in bounded convex domains”
- 17²⁰-17⁴⁰ **Burchaev Haydar** (Rostov-on-Don, Russia),
Ryabikh Vladimir (Rostov-on-Don, Russia),
Ryabikh Galina (Rostov-on-Don, Russia)
“Integro-differential properties of integrable analytic functions”
- 17⁴⁰-18⁰⁰ **Kalinichenko Alla** (Vladikavkaz, Russia)
“Modular sesquilinear mappings and the generalized Stinespring representation”

CONTRIBUTED TALKS II
“DIFFERENTIAL AND INTEGRAL EQUATIONS”

Chair: Prof. Tedeev Anatoly

Place: Hotel “Skazka”, conference room 2

July 3 (Monday)

- 15³⁰ -15⁵⁰ **Askhabov Sultan** (Grosny, Russia)
“Criterion of positivity for convolution integro-differential operator and its applications”
- 15⁵⁰ -16¹⁰ **Burkin Igor** (Tula, Russia)
“Analytical-numerical methods of finding hidden attractors in multidimensional dynamical systems”
- 16¹⁰ -16³⁰ **Umarov Khasan** (Grosny, Russia)
“Cauchy problem for the longitudinal fluctuations of a nonlinear and elastic core of infinite length equation”
- 16³⁰ -17⁰⁰ **Break**
- 17⁰⁰ -17²⁰ **Remizov Ivan** (Nizhny Novgorod, Russia)
“Calculus of Chernoff functions and Cauchy problem for evolution equations”
- 17²⁰ -17⁴⁰ **Chernysh Aleksey** (Rostov-on-Don, Russia)
“Asymptotics of the spectrum of a stationary flow of a viscous incompressible fluid for large Reynolds numbers in a spherical layer with a rotating outer sphere”

July 4 (Tuesday)

- 15³⁰ -15⁵⁰ **Popov Vladimir** (Moscow, Russia)
“Generalization of a notion of completeness for Riemannian analytic manifolds”
- 15⁵⁰ -16¹⁰ **Polyakov Dmitry** (Vladikavkaz, Russia)
“On asymptotics of eigenvalues for even order differential operator”
- 16¹⁰ -16³⁰ **Kozhevnikova Larisa** (Sterlitamak, Russia)
“About entropy solutions of anisotropic elliptic equations with variable exponent”
- 17⁰⁰ -19⁰⁰ **Excursion**

July 5 (Wednesday)

16⁰⁰ -17⁰⁰ **Concert**

18⁰⁰ -21⁰⁰ **Banquet**

July 6 (Thursday)

15³⁰ -15⁵⁰ **Klimentov Dmitry** (Rostov-on-Don, Russia)

“About calculation of curvature of a surface of a limited variation through characteristics of Wiener processes”

15⁵⁰ -16¹⁰ **Tsopanov Igor** (Vladikavkaz, Russia)

“Traces formulas for a certain boundary value problems”

16¹⁰ -16³⁰ **Balashova Galina** (Moscow, Russia)

“On solvability of the Dirichlet problem for differential equations of infinite order”

16³⁰ -17⁰⁰ **Break**

17⁰⁰ -17²⁰ **Bazzaev Alexander** (Vladikavkaz, Russia)

“Numerical methods for solving fractional differential equations”

17²⁰ -17⁴⁰ **Muzaev Illarion** (Vladikavkaz, Russia),

Muzaev Nugzar (Vladikavkaz, Russia)

“Formulation and solution of initial-boundary value problems modeling the selective intake process in a stratified reservoir”

July 7 (Friday)

15³⁰ -15⁵⁰ **Shishkina Elina** (Voronezh, Russia)

“Generalized Euler-Poisson-Darboux equation”

15⁵⁰ -16¹⁰ **Khybezhty Shalva** (Vladikavkaz, Russia)

“An approximate solution of singular integral equations using Chebyshev series”

16¹⁰ -16³⁰ **Durdiev Durdimurod** (Bukhara, Uzbekistan)

“Solvability of a memory recovering of a medium in the hyperbolic equation of the second order with variable coefficients”

16³⁰ -17⁰⁰ **Break**

17⁰⁰ -17²⁰ **Boykov Ilya** (Penza, Russia)

“Approximate methods for solution of hypersingular integral equations”

17²⁰ -17⁴⁰ **Baranovskii Evgenii** (Voronezh, Russia)

“On the solvability of a version of the FENE-P model of polymeric flows”

CONTRIBUTED TALKS III
“MATHEMATICAL MODELING”

Chair: Prof. Vatulyan Alexander
Place: Hotel “Victoria”, conference room

July 3 (Monday)

- 15³⁰ -15⁵⁰ **Revina Svetlana** (Rostov-on-Don, Russia)
“On the stability problem of two-dimensional viscous flows”
- 15⁵⁰ -16¹⁰ **Dudarev Vladimir** (Rostov-on-Don, Russia),
Mnukhin Roman (Rostov-on-Don, Russia)
“On vibration of functionally graded piezoelectric bodies
with residual stress”
- 16¹⁰ -16³⁰ **Getman Veronika** (Rostov-on-Don, Russia)
“Quasistationary spiral modes in a blood vessel”
- 16³⁰ -17⁰⁰ **Break**
- 17⁰⁰ -17²⁰ **Alpeeva Lyubov** (Rostov-on-Don, Russia)
“Development of a sound ray tracing method using a voxel
traversal algorithm”
- 17²⁰ -17⁴⁰ **Lysenko Sergey** (Rostov-on-Don, Russia)
“About the conditions of Turing instability for the Schnakenberg
system”

July 4 (Tuesday)

- 15³⁰ -15⁵⁰ **Basaeva Elena** (Vladikavkaz, Russia),
Kamenetsky Eugeny (Vladikavkaz, Russia),
Khosaeva Zarina (Vladikavkaz, Russia)
“On the effect of delay accounting on tension”
- 15⁵⁰ -16¹⁰ **Volik Mariya** (Vladikavkaz, Russia)
“Research of influence of street length and height of the buildings
on the air movement in three-dimensional elements of urban
development”
- 16¹⁰ -16³⁰ **Radionoff Anatoly** (Vladikavkaz, Russia)
“On small fluctuations of the feeding system of a volcano”

16³⁰ -17⁰⁰ **Break**

17⁰⁰ -17²⁰ ***Kamenetsky Eugeny*** (Vladikavkaz, Russia)

“Modeling the influence of counter-elite on interaction of Authorities and workers”

17²⁰ -17⁴⁰ ***Nartikoev Atsamaz*** (Vladikavkaz, Russia)

“The use of imitating modeling to analyze the effectiveness of queuing systems”

July 5 (Wednesday)

16⁰⁰ -17⁰⁰ ***Concert***

18⁰⁰ -21⁰⁰ ***Banquet***

July 6 (Thursday)

15³⁰ -15⁵⁰ ***Nasedkina Anna*** (Rostov-on-Don, Russia)

“Homogenization models of mixture composites with border properties in interphase zones”

15⁵⁰ -16¹⁰ ***Kazarnikov Alexey*** (Rostov-on-Don, Russia)

“Numerical and analytical study of bifurcations in Rayleigh reaction-diffusion system”

16¹⁰ -16³⁰ ***Muzaev Illarion*** (Vladikavkaz, Russia)

“Mathematical modeling of elastic oscillation percussion instrument”

17⁰⁰ -19⁰⁰ ***Excursion***

July 7 (Friday)

15³⁰ -15⁵⁰ ***Volik Mariya*** (Vladikavkaz, Russia)

“Investigation of impact the street length to distribution of gaseous pollutants within it”

15⁵⁰ -16¹⁰ ***Orlova Natalya*** (Vladikavkaz, Russia)

“Vibrofluidized layer structure depending on its initial thickness”

16¹⁰ -16³⁰ ***Orlova Natalya*** (Vladikavkaz, Russia),

Minasyan David (Vladikavkaz, Russia)

“Comparison of different approaches for rockfall modeling”

16³⁰ -17⁰⁰ **Break**

17⁰⁰ -17²⁰ ***Perevaryukha Andrey*** (St. Petersburg, Russia)

“Modeling of a competitively induced deviation in the rate of development of organisms”

17²⁰ -17⁴⁰ ***Fedyaev Yuriy*** (Oryol, Russia)

“Mathematical simulation of the evolution of a fluid-fluid interface in an anisotropic layer of a porous medium”

CONTRIBUTED TALKS IV
“MORDEN PROBLEMS OF MATHEMATICAL EDUCATION”

Chair: Prof. Malova Irina
Place: Hotel “Skazka”, conference room 3

July 3 (Monday)

- 15³⁰ -15⁵⁰ **Makarenko Mariya** (Vladikavkaz, Russia)
“Analysis of tasks and decisions challange international mathematical modeling”
- 15⁵⁰ -16¹⁰ **Gutnova Dzerassa** (Vladikavkaz, Russia)
“Interactive teaching methods in math class”
- 16¹⁰ -16³⁰ **Harkiladze Georgy** (Vladikavkaz, Russia)
“Inverse problems in mathematical physics”
- 16³⁰ -17⁰⁰ **Break**
- 17⁰⁰ -17²⁰ **Mokrushin Aleksey** (Kaluga, Russia)
“Current state of the problem of forming student's interest to mathematics”
- 17²⁰ -17⁴⁰ **Pustovalova Olga** (Rostov-on-Don, Russia)
“Numerical simulation of the bending deformations of inhomogeneous beam”

July 4 (Tuesday)

- 15³⁰ -15⁵⁰ **Dyatlov Vladimir** (Novosibirsk, Russia)
“Reformulations in solving problems with parameters”
- 15⁵⁰ -16¹⁰ **Abaturova Vera** (Vladikavkaz, Russia)
“Modern mathematical achievements' adaptation to mathematical aducation in school”
- 16¹⁰ -16³⁰ **Nalbandyan Yuliya** (Rostov-on-Don, Russia)
“Mathematical education in Rostov-on-Don (1917-2017)”
- 16³⁰ -17⁰⁰ **Break**
- 17⁰⁰ -17²⁰ **Alborova Victoria** (Vladikavkaz, Russia)
“Practically oriented approach in teaching students informatics”

- 17²⁰ -17⁴⁰ ***Kryukov Dmitry*** (Rostov-on-Don, Russia),
Ryabikh Galina (Rostov-on-Don, Russia),
Frolova Natalya (Rostov-on-Don, Russia)
“Especially training of people with disabilities”

July 5 (Wednesday)

- 16⁰⁰ -18⁰⁰ ***Concert***
19³⁰ -21⁰⁰ ***Banquet***

July 6 (Thursday)

- 15³⁰ -15⁵⁰ ***Tavasiev Batraz*** (Vladikavkaz, Russia)
“Features of the mathematical training of specialists of business informatics”
- 15⁵⁰ -16¹⁰ ***Malova Irina*** (Bryansk, Russia)
“Methodical reflation learning math”
- 16¹⁰ -16³⁰ ***Lobanova Natalia*** (Zelenokumsk, Russia)
“Differential equations with a support system of an additional education in the geometrical meaning of the derivative”
- 16³⁰ -17⁰⁰ ***Break***
- 17⁰⁰ -17²⁰ ***Begieva Tamara*** (Vladikavkaz, Russia)
“Method of rationalization: an indicative framework for action”
- 17²⁰ -17⁴⁰ ***Ohvat Lyubov*** (Vladikavkaz, Russia)
“Problems with parameters as means of formation of skills double subject”

July 7 (Friday)

- 15³⁰ -15⁵⁰ ***Karaeva Genni*** (Vladikavkaz, Russia)
“The solution of tasks with economic contents”
- 15⁵⁰ -16¹⁰ ***Smirnov Eugeny*** (Yaroslavl, Russia)
“The technology of mathematics teaching with synergistic effects by using ICT”
- 16¹⁰ -16³⁰ ***Testov Vladimir*** (Vologda, Russia)
“Synergy ordinal and algebraic structures in the preparation of teachers of mathematics”
- 17⁰⁰ -19⁰⁰ ***Excursion***

MATHEMATICAL SCHOOL FOR YOUNG SCIENTISTS -2017

July 3 (Monday)

- 10⁰⁰ -10¹⁵ Opening
10¹⁵ -13⁴⁵ Plenary session of the Conference
15³⁰ -17⁴⁰ Contributed talks of the Conference

July 4 (Tuesday)

- 10⁰⁰ -13³⁰ Plenary session of the Conference
15⁰⁰ -17⁴⁵ *Mathematical school for young scientists-2017:*
15⁰⁰ -15⁴⁵ ***Kusraev Anatoly*** (Vladikavkaz, Russia)
“About continuum problem”
15⁵⁰ -16³⁵ ***Abanin Alexander*** (Rostov-on-Don, Russia)
“Duality theory”
16³⁵ -17⁰⁰ ***Break***
17⁰⁰ -17⁴⁵ ***Dyatlov Vladimir*** (Novosibirsk, Russia)
“On training materials structure”

July 5 (Wednesday)

- 10⁰⁰ -13³⁰ Plenary session of the Conference
16⁰⁰ -17⁰⁰ ***Concert***
18⁰⁰ -21⁰⁰ ***Banquet***

July 6 (Thursday)

- 10⁰⁰ -13³⁰ Plenary session of the Conference
15⁰⁰ -17⁴⁵ *Mathematical school for young scientists-2017:*
15⁰⁰ -15⁴⁵ ***Vatulyan Aleksander*** (Rostov-on-Don, Russia)
“Introduction to the theory of the inverse problems”

- 15⁵⁰ -16³⁵ **Malova Irina** (Bryansk, Russia)
 “Some methods of realization of modern bases
 training in mathematics in higher education institution”
- 16³⁵ -17⁰⁰ **Break**
- 17⁰⁰ -17⁴⁵ **Abaturova Vera** (Vladikavkaz, Russia)
 “Higher education's young teacher's scientific and methodical
 competence”

July 7 (Friday)

- 10⁰⁰ -13³⁰ Plenary session of the Conference
- 15⁰⁰ -17⁴⁵ **Mathematical school for young scientists-2017:**
- 15⁰⁰ -15⁴⁵ **Tedeev Anatoly** (Vladikavkaz, Russia)
 “The role of Faber-Kran type inequalities in qualitative researches of the differential equations” (1 lecture)
- 15⁵⁰ -16³⁵ **Tedeev Anatoly** (Vladikavkaz, Russia)
 “The role of Faber-Kran type inequalities in qualitative researches of the differential equations” (2 lecture)
- 16³⁵ -17⁰⁰ **Break**
- 17⁰⁰ -17⁴⁵ **Tedeev Anatoly** (Vladikavkaz, Russia)
 “The role of Faber-Kran type inequalities in qualitative researches of the differential equations” (3 lecture)

