

PROGRAMME

19 SEPTEMBER

18⁰⁰-18³⁰ OPENING CEREMONY

18³⁰ WELCOME RECEIPTION

20⁰⁰-21³⁰ REGISTRATION

20 SEPTEMBER

08³⁰-09³⁰ BREAKFAST

LECTURES - Chairman: S. Konyagin

10⁰⁰-10⁵⁰ A. Talalyan *On uniqueness of multiple trigonometric series*

11⁰⁰-11⁵⁰ A. Olevskii *Almost analytic representation of measurable functions*

11⁵⁰-12²⁰ *Coffee-Break*

SECTION A - Chairman: V. Ivanov

12²⁰-12⁴⁰ T. Akhobadze *On convergence of generalized Cesaro means of trigonometric Fourier series and their conjugates*

12⁴⁰-13¹⁰ V. Kolyada *Sharp relations between different norms in Lorentz spaces*

SECTION B - Chairman: L. Frerick

12²⁰-12⁴⁰ A. Vogt *Universal properties of approximation operators*

12⁴⁰-13⁰⁰ V. Martirosian, S. Mkrtchyan *On approximation in the mean by polynomials with gaps on non-Caratheodory domains*

SECTION C - Chairman: H. Hayrapetyan

12²⁰-12⁴⁰ V. Maiorov *Geometric properties of the ridge function manifold*

12⁴⁰-13⁰⁰ B. Batikyan *Branching points of the spectrum of algebraic extension of the continuous function's algebra*

13³⁰-14³⁰ LUNCH

LECTURE - Chairman: T. Korner

15⁰⁰-15⁵⁰ S. Konyagin *On convergence of greedy approximations for the trigonometric system*

SECTION A - Chairman: G. Karagulyan

16⁰⁰-16²⁰ N. Kholshchevnikova *Convergence of the Fourier series for functions of countably many variables*

16²⁰-16⁴⁰ V. Ivanov *Turan and Delsarte extremal problems for periodic positive definite functions*

16⁵⁰-17¹⁰ O. Kosogorov, Yu. Demjanovich *On Constants in Evaluations of Spline Approximation for Binary Grid*

17¹⁰-17³⁰ N. Parfinovych, V. Babenko *On the Best Approximation of Periodic Functions by Splines of Defect 2*

SECTION B - Chairman: W. Luh

16⁰⁰-16²⁰ J. Müller *Universal power series and analytic continuation*

16²⁰-16⁴⁰ M. Niess *On universal relatives of the Riemann zeta-function*

16⁵⁰-17¹⁰ A. Lukashov *Supplement to R. Nevanlinna's principle of harmonic measure*

17¹⁰-17³⁰ A. Petrosyan *On Extreme Points of Some Sets of Holomorphic Functions*

SECTION C - Chairman: *A. Hakobyan*

- 16⁰⁰-16²⁰ G. Sampson *L^p estimates of oscillatory integrals*
16²⁰-16⁴⁰ H. Hayrapetyan *Dirichlet Problem in weighted spaces and some uniqueness theorems for harmonic functions*
16⁵⁰-17¹⁰ T. Harutyunyan *Dirac operator with linear potential and its perturbations*
17¹⁰-17³⁰ S. Afyan *Solution of Beltram's Equation in Some Special cases*

19⁰⁰- 20⁰⁰ DINNER

20⁰⁰ CONCERT (*Anna Mailian, Armenian spiritual and folk music*)

21 SEPTEMBER

08³⁰-09³⁰ BREAKFAST

LECTURES - Chairman: *V. Martirosyan*

- 10⁰⁰-10⁵⁰ N. Arakelian *On Dirichlet and Neumann problems for harmonic functions*
11⁰⁰-11⁵⁰ W. Luh *Densities connected with overconvergence*

11⁵⁰-12²⁰ *Coffee-Break*

SECTION A - Chairman: *N. Kholshchevnikova*

- 12²⁰-12⁴⁰ U. Goginava *Maximal operators of (C, α) - Means of cubic partial sums of d - Dimensional Walsh-Fourier Series*
12⁴⁰-13⁰⁰ O. Kuznetsova *Strong Spherical Means of Multiple Fourier Series*

SECTION B - Chairman: *J. Müller*

- 12²⁰-12⁴⁰ H.-P. Blatt *On Divergence for Rational Approximation*
12⁴⁰-13⁰⁰ H. Stahl *Rational Best Approximation on $(-\infty, 0]$*

SECTION C - Chairman: *A. Sahakian*

- 12²⁰-12⁴⁰ V. Babenko *Kolmogorov type inequalities for hypersingular integrals with homogeneous characteristic*
12⁴⁰-13⁰⁰ G. Barsegian *Some identities and inequalities*

13³⁰-14³⁰ LUNCH

LECTURE - Chairman: *N. Arakelian*

- 15⁰⁰-15⁵⁰ N. Nikolski *Condition Numbers of Large Matrices under Spectral Restrictions*

SECTION A - Chairman: *V. Krotov*

- 16⁰⁰-16²⁰ G. Karagulyan *On Riemann sums and maximal functions*
16²⁰-16⁴⁰ R. Hovsepian *On one class of trigonometric series*
16⁵⁰-17¹⁰ A. Kamont, G. Gevorgian *Orthonormal spline systems with arbitrary knots as bases in $H_1[0,1]$*
17¹⁰-17³⁰ G. Nadibaidze *On the almost everywhere summability of double series with respect to block-orthonormal systems*

SECTION B - Chairman: *H.-P. Blatt*

- 16⁰⁰-16²⁰ D. Müller-Wichards, P. Kosmol *Strong Solvability of Approximation Problems in Orlicz Space*

16²⁰-16⁴⁰ S. Aleksanian *Uniform and tangential approximation by meromorphic functions, having optimal growth*

16⁵⁰-17¹⁰ A. Safapour *Duality relations in the theory of frames and Bessel sequences*

17¹⁰-17³⁰ L. Gevorgyan *On one-step Krylov subspace method*

SECTION C - Chairman: G. Kerkyacharian

16⁰⁰-16²⁰ V. Ohanyan *Pattern recognition by chord length distributions*

16²⁰-16⁴⁰ K. Gasparian *Functional Central Limit Theorem for O-Martingales*

16⁵⁰-17¹⁰ A. Frumkin, A. Goldberger *Electrons in boxes*

17¹⁰-17³⁰ M. Hayrapetyan, H. Hayrapetyan *Dirac operator with linear potential and its perturbations*

19⁰⁰- 20⁰⁰ DINNER

20⁰⁰ KARAOKE COMPETITION

22 SEPTEMBER

08³⁰-09³⁰ BREAKFAST

LECTURES - Chairman: A. Olevskii

10⁰⁰-10⁵⁰ M. Lacey *New Bounds for Discrepancy Function and Small Ball Inequality in All Dimensions*

11⁰⁰-11⁵⁰ T. Korner *Square Roots of Convolutions*

11⁵⁰-12²⁰ *Coffee-Break*

SECTION A - Chairman: V. Maiorov

12²⁰-12⁴⁰ B. Kashin *Remark on the Compressed Sensing*

12⁴⁰-13⁰⁰ I. Novikov *Stationary and nonstationary biorthogonal compactly supported wavelets*

SECTION B - Chairman: D. Müller-Wichards

12²⁰-12⁴⁰ R. Trigub *Approximation of functions by polynomials with restrictions*

12⁴⁰-13⁰⁰ E. Bereznoi *On Subspaces of the Space of Continuous Functions Consisting of Nonsmooth Functions*

SECTION C - Chairman: H. Gevorgian

12²⁰-12⁴⁰ D. Skorokhodov, V. Babenko *On the weighted interval quadrature formulae on some classes of periodic functions*

12⁴⁰-13⁰⁰ K. Sahakyan, S. Hayrapetyan *Hermite trigonometric interpolation and quadrature formulae*

13³⁰-14³⁰ LUNCH

LECTURE - Chairman: B. Kashin

15⁰⁰-15⁵⁰ S. Bochkarev *Multiplicative inequalities for the L norm; applications to analysis and number theory*

SECTION A - Chairman: G. Gevorgian

16⁰⁰-16²⁰ M. Grigoryan *Nonlinear approximation in L^p spaces*

16²⁰-16⁴⁰ A. Sahakian, M. Ginovyan *Approximations of Traces of Products of Truncated Toeplitz Operators*

16⁵⁰-17¹⁰ S. Gogyan *An example of quasi-greedy basis in $L^1(0,1)$*

17¹⁰-17³⁰ S. Mironova *Singular integrals and the Faber-Schauder system*

SECTION B - Chairman: *I. Novikov*

- 16⁰⁰-16²⁰ Z. Wronicz *On wavelets with compact support constructed by means of splines*
16²⁰-16⁴⁰ S. Kaushik *A Generalization of Frames in Banach Spaces*
16⁵⁰-17¹⁰ A. Makarov *On Exponential Spline Spaces and Wavelet Decomposition*
17¹⁰-17³⁰ M. Martirosyan, S. Samarchyan *On geometrically decreasing Kolmogorov n-widths in Hilbert spaces*

SECTION C - Chairman: *N. Nikolski*

- 16⁰⁰-16²⁰ A. Karapetyan *Weighted Anisotropic Integral Representations of Holomorphic Functions in the Unit Ball in C^n*
16²⁰-16⁴⁰ T. Pohlen *The Hadamard product of holomorphic functions on open sets*
16⁵⁰-17¹⁰ E. Abakumov *Cyclicity of bicyclic operators and completeness of translates*
17¹⁰-17³⁰ K. Avetisyan *Lacunary Series in Mixed Norm Spaces*

19⁰⁰ BANQUET

23 SEPTEMBER

08³⁰-09³⁰ BREAKFAST

10⁰⁰ EXCURSION

First Tour: *Goshavank, Haghartsin, Lake Sevan, Sevanavank*
(open air picnic in Haghartsin)

Second Tour: *Echmiadzin, Zvartnots, Garni, Geghard*
(lunch in Garni)

20⁰⁰ - 21⁰⁰ DINNER

24 SEPTEMBER

08³⁰-09³⁰ BREAKFAST

LECTURES - Chairman: *M. Lacey*

- 10⁰⁰-10⁵⁰ G. Kerkycharian *An example of solution of an inverse problem, using Needlet tight frame: Denoising of Radon Transform*
11⁰⁰-11⁵⁰ N. Kruglyak *The K-functional and near minimizers for Sobolev and Morrey-Campanato spaces with applications to Harmonic Analysis and Inverse Problems*

11⁵⁰-12²⁰ *Coffee-Break*

SECTION A - Chairman: *T. Akhobadze*

- 12²⁰-12⁴⁰ K. Navasardyan *On Series With Monotone Coefficients by Walsh System*
12⁴⁰-13⁰⁰ K. Keryan, G. Gevorgian *On absolute and unconditional convergence of series by general Franklin system*

SECTION B - Chairman: *N. Kruglyak*

- 12²⁰-12⁴⁰ M. Carlsson *Fatou-type theorems for general approximate identities*
12⁴⁰-13⁰⁰ V. Vasyunin *Bellman function method in analysis*

SECTION C - Chairman: *M. Grigoryan*

- 12²⁰-12⁴⁰ G. Karapetyan, A. Darbinyan *Neotherianity of the regular operator with constant coefficients in the domain*
12⁴⁰-13⁰⁰ M. Karakhanyan *A remark about asymptotic property of commutators*

13³⁰-14³⁰ LUNCH

LECTURE - Chairman: S. Bochkarev

15⁰⁰-15⁵⁰ G. Gevorgian *On periodic Franklin system*

SECTION A - Chairman: A. Kamont

16⁰⁰-16²⁰ T. Kopaliani *Greediness of the wavelet system in variable exponent Lebesgue spaces*

16²⁰-16⁴⁰ S. Episkoposian *Divergence of greedy algorithms for generalized Walsh subsystem in $L^1(0,1)$*

16⁵⁰-17¹⁰ G. Amirkhanyan *Convergence of greedy approximation in $L_p(0,1)$ and $C(0,1)$ with respect to Walsh system*

17¹⁰-17³⁰ A. Sargsyan *Greedy approximation with respect to Faber-Schauder system*

SECTION B - Chairman: Z. Wronicz

16⁰⁰-16²⁰ V. Krotov *Classification of functions by local smoothness on metric spaces endowed with measure*

16²⁰-16⁴⁰ S. Astashkin *Independent functions in rearrangement invariant spaces*

16⁵⁰-17¹⁰ L. Mikaelyan, M. Ginovyan *Prediction Error for Continuous-time Stationary Processes with Singular Spectral Densities*

17¹⁰-17³⁰ R. Khachatryan, R. Avetisyan *Lipschitz multivalued mappings in optimization linear problems*

19⁰⁰- 20⁰⁰ DINNER

25 SEPTEMBER

08³⁰-09³⁰ BREAKFAST

SECTION A - Chairman: S. Episkoposyan

10⁰⁰-10²⁰ H. Gevorgian *On regularity of Bivariate Hermite Interpolation*

10²⁰-10⁴⁰ M. Soghomonyan *Universal series in weighted L_μ^1 spaces*

10⁵⁰-11¹⁰ A. Kobelyan *On the Fourier-Haar coefficients of functions from L_p*

11¹⁰-11³⁰ A. Stepanyan *Universality of series by general Franklin system*

11³⁰-12⁰⁰ *Coffee-Break*

SECTION A - Chairman: M. Poghosyan

12⁰⁰-12²⁰ M. Nalbandyan *Representation of measurable functions by subsystems of Walsh system*

12²⁰-12⁴⁰ L. Galoyan *The moment problem for a finite interval*

12⁴⁰-13⁰⁰ G. Avanesyan *Harmonic analysis in time-frequency plane and Balian-Low theorem*

13⁰⁰-13²⁰ I. Katkovskaya, V. Krotov *Weighted estimates of the boundary behavior of the differentiable functions and elliptic boundary problems*

13³⁰-14³⁰ LUNCH

18⁰⁰ CLOSING CEREMONY

19⁰⁰- 20⁰⁰ DINNER

26 SEPTEMBER

08³⁰-09³⁰ BREAKFAST

10⁰⁰ DEPARTURE