

International Conference on Fourier Analysis and Approximation Theory

dedicated to the 80th birthday of Academician Levan Zhizhiashvili

Bazaleti (Georgia) October 23-28, 2013

P R O G R A M E

23 OCTOBER

12⁰⁰-19⁰⁰ Arrival and Registration

24 OCTOBER

09⁰⁰-10⁰⁰ Breakfast

11⁰⁰-12⁰⁰ Opening Ceremony

12⁰⁰-12³⁰ Coffee Break

Chairmen: G. Oniani

12³⁰-13⁰⁰ T. Akhobadze, On the generalized Cesáro means of multiple trigonometric Fourier series

13⁰⁰-13³⁰ B. Golubov, S. Volosivets, Absolute convergence of the series of Fourier-Haar coefficients

13³⁰-14⁰⁰ G. Gevorkyan, General Franklin periodic systems as bases in B^1

14⁰⁰-15⁰⁰ Lunch

Chairmen: G. Gevorkyan

15⁰⁰-15³⁰ A. Sahakian, Convergence and summation of multiple Fourier series of functions of bounded partial generalized variation

15³⁰-16⁰⁰ M. Dyachenko, Two new problems in the theory of multiple Fourier series

16⁰⁰-16³⁰ L. Gogoladze, V. Tsagareishvili, On the convergence of Fourier series with respect to general orthonormal systems.

16³⁰-17⁰⁰ Coffee Break

Chairmen: M. Dyachenko

17⁰⁰-17³⁰ G. Oniani, On the relation between rectangular convergence and spherical convergence of multiple Haar series

17³⁰-18⁰⁰ G. Karagulyan, On the divergence sets of Walsh-Fourier series of continuous functions

18⁰⁰-18³⁰ O. Dzagnidze, On the differentiability of real, complex and quaternion function

19⁰⁰ Welcome party

25 OCTOBER

09⁰⁰-10⁰⁰ Breakfast

Chairmen: B. Golubov

10⁰⁰-10³⁰ V. Skvortsov, Uniqueness of representation of functions by series and transforms with respect to characters of the group of P-adic numbers

10³⁰-11⁰⁰ G. Gát, Summation of Walsh-Fourier series, convergence and divergence

11⁰⁰-11³⁰ U. Goginava, Strong summability of double Walsh-Fourier series

11³⁰-12⁰⁰ K. Nagy, Marcinkiewicz summability of two-dimensional Fourier series of Walsh-like systems

12⁰⁰-12³⁰ Coffee Break

Chairmen: V. Skvortsov

12³⁰-13⁰⁰ M. Grigoryan, On the unconditional representation of functions in L_p by Haar series

13⁰⁰-13³⁰ N. Temirgaliyev, Computational (Numerical) Diameter

13³⁰-14⁰⁰ R. Toledo, Approximation of series on the complete product of finite nonabelian groups

14⁰⁰-15⁰⁰ Lunch

15⁰⁰-19⁰⁰ Excursion

19⁰⁰ Dinner

26 OCTOBER

09⁰⁰-10⁰⁰ Breakfast

Chairmen: L. Persson

10⁰⁰-10³⁰ L. Pick, Higher-order Sobolev embeddings and isoperimetric inequalities

10³⁰-11⁰⁰ A. Gogatishvili, T. Kopaliani, Boundedness of Stein's spherical maximal function in variable Lebesgue space and application to the wave equation

11⁰⁰-11³⁰ M. Deikalova, Nikol'skii type inequality for algebraic polynomials on an interval

11³⁰-12⁰⁰ Sh. Zviadadze, On some properties of conjugate Fourier-Stieltjes series

12⁰⁰-12³⁰ Coffee Break

Chairmen: L. Pick

12³⁰-13⁰⁰ L. Persson, Inequalities via convexity and interpolation

13⁰⁰-13³⁰ A. Goncharov, On Mityagin's problem

13³⁰-14⁰⁰ P. Honzik, Dimension of images of subspaces under Sobolev mappings

14⁰⁰-15⁰⁰ Lunch

Chairmen: G. Gát

15⁰⁰-15³⁰ G. Tepnadze, On the Féjer means of Vilenkin-Fourier series

15³⁰-16⁰⁰ N. Clavero, Sobolev embeddings in mixed norm spaces

16⁰⁰-16³⁰ F. Soudsky, Normability of Lorentz spaces - duality approach

16³⁰-17⁰⁰ L. Slavíková, Compactness of higher-order Sobolev embeddings

18⁰⁰ Official Dinner

27 OCTOBER

09⁰⁰-10⁰⁰ Breakfast

Chairmen: M. Skopina

10⁰⁰-10³⁰ V. Arestov, Sharp inequalities for fractional derivatives of trigonometric polynomials

10³⁰-11⁰⁰ A. Korenovskiy, Applications of equimeasurable rearrangements of functions

11⁰⁰-11³⁰ F. G. Abdullayev, N. P. Özkartepe, C. D. Gün, On the growth of modules of algebraic polynomials in unbounded regions of complex plane

11³⁰-12⁰⁰ I. Simon, (C, α) summability of two-dimensional integrable functions on the 2-adic additive group

12⁰⁰-12³⁰ Coffee Break

Chairmen: M. Grigoryan

12³⁰-13⁰⁰ M. Skopina, Sampling-type expansions

13⁰⁰-13³⁰ I. Novikov, Some problems of modern wavelet theory

13³⁰-14⁰⁰ Y. Farkov, Wavelets in Walsh Analysis

14⁰⁰-15⁰⁰ Lunch

Chairmen: L. Gogoladze

15⁰⁰-15³⁰ Sh. Kheladze, On the metric kernel and shell

15³⁰-16⁰⁰ V. Tsagareishvili, X-conjugated functions

16⁰⁰-16³⁰ G. Chelidze, On the intersection of embedded closed sets in Banach spaces

16³⁰-17⁰⁰ G. Nadibaidze, On the exactness of Weyl multipliers for a. e. Cesaro summability of series with respect to Block-Orthonormal systems

19⁰⁰ Closing Ceremony

28 OCTOBER

10⁰⁰ Departure