

PROGRAM
of the conference “Complex analysis and its applications”
dedicated to the 70th anniversary of A.F. Grishin

Monday, 15.08.2011

9:00-10:30 **Registration** (4 Svobody sq., Karazin Kharkiv National University)

10:30-10:50 **Opening Ceremony**

Plenary talks

10:50-11:40 **M.Sodin.** *Анатолий Филиппович, портрет в интерьере:
на 6-м этаже, среди субгармонических функций.*

Coffee break

12:10- 13:00 **A.Eremenko.** *Uniform polynomial approximation of $\operatorname{sgn}(x)$ on two intervals.*

Sectional talks

Section A

15:00-15:25 **Ya.Vasilkiv.** *Plurisubharmonic on C^n functions of finite (λ, ε) -type.*

15:25-15:50 **O.Sumyk.** *Estimates of the sum of Dirichlet series.*

15:50-16:15 **L.Maergoiz.** *Modifications of the proximate order and their applications in Entire functions theory.*

Coffee break

16:40-17:05 **T.Malutina.** *The theorem of type of Riemann-Lebesgue lemma.*

17:05-17:30 **L.Radchenko.** *Riesz' measure of subharmonic functions on the unit disc.*

17:30-17:55 **L.Politylo.** *On integral means of functions conjugate to subharmonic functions.*

Section B

- 15:00-15:25 **A.Rashkovskii.** *Limits of multipole pluricomplex Green functions.*
- 15:25-15:50 **V.Dilnyj.** *On some decompositions of Wiener and Hardy spaces.*
- 15:50-16:15 **S.Zagorodnuk.** *Density of polynomials in some $L^2(M)$ spaces.*

Coffee break

- 16:40-17:05 **A.Vishnyakova.** *Multiplier sequences and logarithmic mesh.*
- 17:05-17:30 **O.Katkova.** *Non-asymptotic results on the zero distribution of the partial theta function and beyond.*
- 17:30-17:55 **S.Mayboroda.** *Potential theory, analysis and elliptic boundary problems in rough domains.*

Section C

- 15:00-15:25 **V. Masluchenko.** *Векторні простори з адитивною топологією і нарізно неперервним множенням.*
- 15:25-15:50 **A. Danilenko.** *Self-similar ergodic flows.*
- 15:50-16:15 **L. Fardigola.** *Influence operators in controllability problems for the string equation on a half-axis.*

Coffee break

- 16:40-17:05 **I.Il'inskaya.** *Phase retrieval for some probability measures on group of productions of Walsh functions.*
- 17:05-17:30 **S. Sitnik.** *Операторы преобразования Бушмана-Эрдейи.*
- 17:30-17:55 **O.Masluchenko.** *On the oscillation of separately locally Lipschitz functions.*

18-00 Welcome party

Tuesday, 16.08.2011

Plenary talks

9:00-9:50 **A. Grishin.** *Опорная функция Лейхтвейса.*

Coffee break

10:30-11:20 **S.Merenkov.** *Quasiconformal rigidity of Sierpinski carpets.*

11:30- 12:20 **Yu.Lubarskii.** *On radial behavior of harmonic functions.*

12:30- 12:55 **I.Chizhikov.** *On the argument of a bounded analytic function.*

Sectional talks

Section A

15:00-15:25 **Yu.Protsyk.** *Asymptotic properties of subharmonic functions.*

15:25-15:50 **P.Filevich.** *The analytic continuation of random analytic functions.*

15:50-16:15 **A.Bandura.** *Sufficient conditions of strongly boundedness index in direction for entire functions of 0 genus with "plane" zeros.*

Coffee break

16:40-17:05 **M.Mahola.** *The value distribution of random analytic functions.*

17:05-17:30 **Ya.Mahola.** *Some properties of entire solutions for a linear differential equation of third order.*

17:30-17:55 **И.Поединцева.** *Теория предельных множеств для радоновых мер на полуоси.*

17:55-18:20 **L.Kaluzhinova.** *On deviations and asymptotic functions of meromorphic functions.*

Section B

- 15:00-15:25 **D.Zirkach.** *The new description of exceptional set in asymptotic estimates for Laplace--Stieltjes integrals.*
- 15:25-15:50 **O.Zadorozhna.** *Inequalities of Viman type without exceptional sets for Dirichlet series, absolutely convergent in halfplane.*
- 15:50-16:15 **Т.Жеребко.** *Про наближення конформного відображення в областях з кусково- гладкою межею.*

Coffee break

- 16:40-17:05 **M. Kudryavtsev.** *Inverse problems for interior mass-spring perturbations in finite systems.*
- 17:05-17:30 **T.Hlova.** *Generalized scales of the growth of entire functions.*
- 17:30-17:55 **V.Kim.** *Completeness of systems of derivatives of entire functions and hypercyclic operators.*
- 17:55-18:20 **Yu.Zakharko.** *The growth of entire functions of finite order with random zeros.*

Section C

- 15:00-15:25 **V.Tkachenko.** *Difference-differential equations in entire functions.*
- 15:25-15:50 **K.Isaev.** *Lower bound of the frequency indicators of an unconditional bases of exponentials in spaces with power weight.*
- 15:50-16:15 **A.И'inskii.** *Two propositions on Gaussian distribution.*

Coffee break

- 16:40-17:05 **S. Gefter.** *On some differential operators of infinite order.*
- 17:05-17:30 **V.Kholomenyuk.** *Köthe function F-spaces and Maharam sets.*
- 17:30-17:55 **Ye.Kolisnyk.** *The radial part of the Laplace-Beltrami operator for the quantum hyperbolic space and Al-Salam-Chihara polynomials.*
- 17:55-18:20 **O.Zolota.** *On the asymptotic behaviour of the Poisson-Stieltjes integral in the polydisc.*

Wednesday, 17.08.2011

Plenary talks

9:00-9:50 **J.Zajac.** *The discrete and continuous multidimensional dynamical systems with applications.*

Coffee break

10:30-11:20 **B.Khabibullin.** *The description of uniqueness sequences for Bernstein classes of entire functions and the completeness of exponential systems on an interval.*

11:30- 12:20 **K.Malutin.** *The sets of regular growth of analytical functions.*

14:00-16:30 *Excursion around Kharkiv by bus*

18:00 *Conference dinner*

Thursday, 18.08.2011

Plenary talks

9:00-9:50 **Yu.Zelinskii.** *Some results of linearly convex analysis.*

Coffee break

10:30-11:20 **I.Shevchuk.** *Rational approximation, spherical designs and other topics of my students' interest.*

11:30- 12:20 **R.Yulmukhametov.** *The non-existence of unconditional bases of reproducing kernels in Hilbert spaces of entire functions.*

12:30- 12:55 **L.Golinskii.** *Blaschke-type conditions for analytic and subharmonic functions in the unit disk and applications.*

Sectional talks

Section A

- 15:00-15:25 **L.Kolyasa.** *About solutions with a logarithmic singularity in ∞ of differential equations.*
- 15:25-15:50 **R.Khats.** *The growth of Fourier coefficients of entire functions of improved regular growth.*
- 15:50-16:15 **B.Vinitskii.** *On complete measure of analytic in the half-plane functions of exponential type.*

Coffee break

- 16:40-17:05 **M.Zabolotskii.** *Zeros and Fourier coefficients of logarithm of entire function.*
- 17:05-17:30 **A.Kiryliak.** *Wiman's inequality and lacunar power series.*

Section B

- 15:00-15:25 **И.Мусин.** *О классах бесконечно дифференцируемых функций на неограниченных выпуклых множествах в R^n допускающих голоморфное продолжение в C^n .*
- 15:25-15:50 **D.Bilyk.** *Low-discrepancy sets and harmonic analysis.*
- 15:50-16:15 **A.Solomko.** *New spectral multiplicities for ergodic actions.*

Coffee break

- 16:40-17:05 **Ya.Zabolotnii.** *About one problem of geometric functions theory of complex variable.*
- 17:05-17:30 **А.Юхименко.** *Полнота систем экспонент в весовых пространствах на полупрямой и прямой.*

Section C

- 15:00-15:25 **I.Mazur.** *The Skitovich-Darmois theorem for discrete and compact totally disconnected Abelian groups.*
- 15:25-15:50 **A.Makarov.** *Boundary problem for systems pseudodifferential equations in a polylayer.*
- 15:50-16:15 **V.Zolotarev.** *On a spectral problem for integro-differential operator.*

Coffee break

- 16:40-17:05 **O.Karpel.** *Infinite measures on Cantor spaces.*
- 17:05-17:30 **E.Moskovchenko.** *Oscillatory matrix Riemann-Hilbert problems and stimulated Raman scattering.*
- 17:30-17:55 **N.Chernovol.** *On orthogonal matrix-value polynomials on the unit circle.*

Closing of the conference