

International Conference on Complex Analysis Dedicated to the  
Memory of Andrei Gonchar and Anatoliy Vitushkin

PROGRAM

All sessions of the conference will be held at the Steklov  
Mathematical Institute (8, Gubkina) on the 9th floor  
at the Conference Hall.

The conference format includes 50-minute talks, after which 10 minutes are reserved for questions to the speaker.

Monday, November 20

10<sup>50</sup>–11<sup>00</sup> *Opening*

*Morning session*

Chairman: A. G. Sergeev

11<sup>00</sup>–11<sup>50</sup> X. Zhou

*Singular metrics on vector bundles and a criteria of Nakano spositivity*

12<sup>00</sup>–12<sup>20</sup> Coffee break

12<sup>20</sup>–13<sup>10</sup> S. Yu. Orevkov

*Links cut by algebraic curves on the boundaries of domains in  $\mathbb{C}^2$  diffeomorphic to the 4-ball*

13<sup>30</sup>–15<sup>00</sup> Lunch

*Afternoon session*

Chairman: E. M. Chirka

15<sup>00</sup>–15<sup>50</sup> A. B. Sukhov

*On the Kobayashi metric on Riemannian manifolds*

16<sup>00</sup>–16<sup>10</sup> Break

16<sup>10</sup>–17<sup>00</sup> V. V. Goryainov

*Loewner equation, fixed points and angular derivative*

17<sup>10</sup> Conference dinner

## Tuesday, November 21

### *Morning session*

Chairman: F. G. Avkhadiev

11<sup>00</sup>–11<sup>50</sup> A. Yu. Popov

*Lower bound for the minimum modulus of an entire function of genus zero on a frequent sequence of circles*

12<sup>00</sup>–12<sup>20</sup> Coffee break

12<sup>20</sup>–13<sup>10</sup> A. M. Gaisin

*Polya type equalities for Dirichlet series. Applications*

13<sup>30</sup>–15<sup>00</sup> Lunch

### *Afternoon session*

Chairman: A. I. Aptekarev

15<sup>00</sup>–15<sup>50</sup> A. S. Sadullaev

*Polynomial approximation on algebraic variety*

16<sup>00</sup>–16<sup>10</sup> Break

16<sup>10</sup>–17<sup>00</sup> V. A. Kalyagin

*On a vector Stieltjes string*

17<sup>10</sup>–17<sup>30</sup> Coffee break

17<sup>30</sup>–18<sup>20</sup> A. B. Bogatyrev

*Enumerative problem for Pell–Abel equation*

## Wednesday, November 22

Free day.

Interested participants are invited to attend the meeting of Vitushkin seminar, which will take place at 16:45 at the Conference Hall of the Steklov Mathematical Institute on the 9th floor. Speaker: A. B. Sukhov. Talk: “Some results in the theory of Levi-flat manifolds”.

## Thursday, November 23

### *Morning session*

Chairman: K. Yu. Fedorovskiy

11<sup>00</sup>–11<sup>50</sup> V. V. Peller

*Spectral shift functions for compressions and for dissipative operators*

12<sup>00</sup>–12<sup>20</sup> Coffee break

12<sup>20</sup>–13<sup>10</sup> M. A. Komarov

*On Turán type inequalities related to metric estimates of simple partial fractions*

13<sup>30</sup>–15<sup>00</sup> Lunch

### *Afternoon session*

Chairman: V. V. Peller

15<sup>00</sup>–15<sup>50</sup> P. V. Paramonov

*Criteria for  $C^m$ -approximability of functions by solutions of homogeneous elliptic equations of second order on compact sets in  $\mathbb{R}^N$ . All cases*

16<sup>00</sup>–16<sup>10</sup> Break

16<sup>10</sup>–17<sup>00</sup> P. A. Mozolyako

*Normal variation of a positive harmonic function*

17<sup>10</sup>–17<sup>30</sup> Coffee break

17<sup>30</sup>–18<sup>20</sup> I. A. Bochkov

*Zeros and poles of the Helson zeta function*

## Friday, November 24

### *Morning session*

Chairman: A. B. Sukhov

11<sup>00</sup>–11<sup>50</sup> F. G. Avkhadiev

*Conformally invariant integral inequalities*

12<sup>00</sup>–12<sup>20</sup> Coffee break 12<sup>20</sup>–13<sup>10</sup> A. S. Skripchenko

*Interval translation mappings and their discrete and continuous adventures*

13<sup>30</sup>–15<sup>00</sup> Lunch

### *Afternoon session*

Chairman: N. G. Kruzhilin

15<sup>00</sup>–15<sup>50</sup> Yu. A. Kordyukov

*Berezin–Toeplitz quantization on symplectic manifolds of bounded geometry*

16<sup>00</sup>–16<sup>10</sup> Break

16<sup>10</sup>–17<sup>00</sup> V. K. Beloshapka

*Analytical complexity in the problem of signal coding*