

## SCIENTIFIC PROGRAMME

of the Session, dedicated to the centenary of the birth of  
Nikola Obreshkoff (1896–1963), Sofia, April 19–20, 1996

### Invited Lectures

- B. BOJANOV. On a formula of Obreshkoff.
- T. GENCHEV. On the investigations of Nikola Obreshkoff connected with the regularly monotonic functions.
- I. DIMOVSKY. Integral transforms in the late works of Obreshkoff.
- A. OBREtenov. The works of Obreshkoff on probability theory and mathematical statistics.
- P. RUSSEV. Zeros of polynomials and entire functions in the works of Nikola Obreshkoff.
- T. TONKOV. The theory of diophantine approximations and the contribution to it of Nikola Obreshkoff.

### Contributed Lectures

- Sv. BILCHEV. Existence and uniqueness of the stationary solution of a nonlinear partial differential equations.
- Ts. DONCHEV, I. SLAVOV. Tikhonov's theorem for functional-differential inclusions.
- M. GAVRILOV. A proof of the Gauss reciprocity law.
- V. HADJISKI. Distributions of the zeros of a sequence of the best rational approximations.
- G. KARATOPRAKLIEV. On a nonlocal boundary-value problem for elliptic equations.
- P. KENDEROV, V. MOORS. Fragmentability and  $\sigma$ -fragmentability of topological spaces.
- V. KIRJAKOVA. From the integral transform of Obreshkoff to the generalized fractional calculus and the special functions.
- M. MANEV. Contact conformal transformations of general type of almost contact manifolds with  $B$ -metrics. Applications.
- M. MITREVA, T. STOJANOV. On certain problems of Obreshkoff.
- S. MIHOVSKY. Isomorphisms and automorphisms of cross products of  $up$ -groups.
- N. NACHEV. Invariants of the Silov  $p$ -subgroup of the group of normalized units of a commutative group ring with characteristics  $p$ .
- N. NACHEV, T. MOLLOV. Multiplicative groups of semi-simple group algebras of Abelian  $p$ -groups over a field.
- J. PANEVA-KONOVSKA. Complete systems of Bessel and inversed Bessel polynomials in spaces of holomorphic functions.
- Tz. RASHKOVA. On the minimal degree of  $*$ -identities of antisymmetric variables in the matrix algebra of an arbitrary order with a symplectic involution  $*$ .
- D. SKORDEV. An algorithmic approach to some problems about the representation of natural numbers as sums without repetitions.
- I. SOSKOV. Constructing minimal pairs of degrees.
- P. TODOROV. A simple proof of a coincidence theorem of Rubinstein and Walsh and generalizations.
- A. TOMOVA. Weakened Tchebyshev's method of second order for investigating trajectories of associated dynamical systems by means of coloured fractal image's technique.
- T. TONKOV. On certain properties of Klosterman's sums.
- V. VIDEV. On the geometry of 4-dimensional Osserman manifolds.
- N. YANEV, K. MITOV. Asymptotical laws in the theory of "recovery" connected with "some particular kinds of integral equations" considered by Obreshkoff.
- S. ZLATEV, I. MAKRELOV. Iterative solution of operator equations in Banach spaces using Obreshkoff's method.