

EQUADIFF 4

List of invited addresses

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LIST OF INVITED ADDRESSES

Plenary Session

- Borůvka, O. Algebraic methods in the theory of global properties of the oscillatory equations $Y'' = Q(t)Y$
- Everitt, W.N. Singular problems in the calculus of variations and ordinary differential equations
- Marek, I. Eigenvalues and bifurcations in reactor physics and chemistry
- Nečas, J. On the existence and regularity of weak solutions to variational equations and inequalities
- Oleinik, O.A. Energetičeskiye ocenki, analogičnyje principu Saint-Venant i ich priloženija

Ordinary differential equations

- Antosiewicz, H.A. Some remarks on the solution of boundary value problems
- Bainov, D.D.: Bainov, D.D. and Milusheva, S.D. Application of the averaging method for solving boundary problems for ordinary differential and integrodifferential equations (Presented by D.D.Bainov)
- Bebernes, J.W. Invariance and solution set properties for some nonlinear differential equations
- Bihari, I. Asymptotic invariant sets of some nonlinear autonomous systems of differential equations
- Blagodatskich, V. Some problems in the theory of differential inclusions
- Coddington, E.A. Differential subspaces associated with pairs of differential operators
- Conti, R. Control and the Van der Pol equation
- Gamkrelidze, R.V. Exponential representation of solutions of ordinary differential equations
- Halanay, A. Singular perturbations and linear feedback control
- Kamenskii, G.A.: Kamenskii, G.A. and Myshkis, A.D. Variational and boundary problems for differential equations with deviated argument (Presented by A.D.Myshkis)
- Kiguradze, I.T. O kolebljuščichsja i monotonnych rešenijach obyknověnných diferencial'nych uravněnij

- Knobloch, H.W. Boundary value problems for systems of nonlinear differential equations
- Mawhin, J. New results on nonlinear perturbations of linear noninvertible mappings and applications to differential equations
- Milusheva, S.D.: Bainov, D.D. and Milusheva, S.D. Application of the averaging method for solving boundary problems for ordinary differential and integrodifferential equations (Presented by D.D.Bainov)
- Myshkis, A.D.: Kamenskii, G.A. and Myshkis, A.D. Variational and boundary problems for differential equations with deviated argument (Presented by A.D.Myshkis)
- Neuman, F. Global properties of the n^{th} order linear differential equations
- Olech, C. Lower semicontinuity of integral functionals
- Pliss, V.A. Invariantnyje množestva periodičeskich sistem differencial'nych uravnenij
- Ryabov, Yu. Ograničennye operatory v teorii obyknovennykh differencial'nych uravnenij
- Schwabik, Š.: Schwabik, Š. and Tvrđý, M. Linear problems in the space BV (Presented by Š.Schwabik)
- Šeda, V. On de la Vallée Poussin problem
- Švec, M. Some problems concerning the functional differential equations
- Tvrđý, M.: Schwabik, Š. and Tvrđý, M. Linear problems in the space BV (Presented by Š.Schwabik)
- Vrkoč, I. A new definition and some modifications of Filippov's cone

Partial differential equations

- Amann, H. Invariant sets for semi-linear parabolic and elliptic systems
- Bojarski, B. Overdetermined non-linear systems of partial differential equations and general quasiconformal mappings
- Drožžinov, J.N. Tauberovy teoremy v kompleksnoj ploskosti i někotorye ich primeněníja
- Dümmel, S. On some inverse problems for partial differential equations
- Fučík, S. Nonlinear boundary value problems
- Gajewski, H. On the iterative solution of some nonlinear evolution equations
- Hall, W.S. Monotone operators and the two-time method

Hansen, W.	On the Dirichlet problem
Hess, P.	Existence and multiplicity results for nonlinear perturbations of linear elliptic and parabolic problems at resonance
Kluge, R.	On the determination of parameter functions in partial differential equations
Král, J.	Boundary behavior of potentials
Kufner, A.	Some modifications of Sobolev spaces and boundary value problems
Ladyženskaja, O.A.	On formulations and solvability of boundary value problems for incompressible fluids in domains with noncompact boundaries
Mosco, V.	Dual estimates and regularity of solutions of some quasivariational inequalities
Rabinowitz, P.H.	Free vibrations for a nonlinear wave equation
Sova, M.	Laplace transform and linear differential equations in Banach spaces
Triebel, H.	Strongly degenerate elliptic differential operators

Numerical methods and applications

Axelsson, O.	On the numerical solution of nonlinear partial differential equations on divergence form
Beckert, H.	Remarks on dynamic and static stability theory in nonlinear mechanics
Brilla, J.	Stability problems in mathematical theory of viscoelasticity
Capriz, G.	On the branching of solutions and Signorini's perturbation procedure in elasticity
Descloux, J.: Descloux, J., Nassif, N. and Rappaz, J.	Numerical approximation of the spectrum of linear operators (Presented by J. Descloux)
Hlaváček, I.	Dual finite element analysis for unilateral boundary value problems
Il'in, V.	Conjugate gradient alternating direction methods for difference equations
Kačur, J.	Application of Rothe's method to nonlinear parabolic boundary value problems
Klötzler, R.	On a general conception of duality in optimal control

- Mika, J. Asymptotic methods for the singularly perturbed differential equations in Banach spaces
- Nashed, M.Z. Iterative and projection methods for illposed boundary-value problems and operator equations
- Nassif, N.: Descloux, J.,
Nassif, N. and Rappaz, J. Numerical approximation of the spectrum of linear operators (Presented by J. Descloux)
- Nedelec, J.C. Finite element approximations of singular integral equations
- Nedoma, J. The solution of parabolic models by finite element space and A-stable time discretization
- Nohel, J.A. Volterra integrodifferential equations for materials with memory
- Rappaz, J.: Descloux, J.,
Nassif, N. and Rappaz, J. Numerical approximation of the spectrum of linear operators (Presented by J. Descloux)
- Raviart, P.A. Mixed finite element approximations of the Navier-Stokes equations
- Rektorys, K. Approximations of very weak solutions of the first biharmonic problem for multiply connected regions
- Stetter, H.J. The principle of defect correction and its application to discretization methods
- Sultangazin, U.M. Issledovanie rešenij simmetričeskich položitel'nych sistem metodom sferičeskich garmonik
- Taufer, J.: Taufer, J.
and Vitásek, E. Numerical solution of evolution problems in Banach spaces (Presented by E.Vitásek)
- Vitásek, E.: Taufer, J.
and Vitásek, E. Numerical solution of evolution problems in Banach spaces (Presented by E.Vitásek)
- Zlámal, M. Superconvergence in the finite element method