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- O. ARAMA, Cluj: On a Problem Polylocal in the Theory of Ordinary Differential Equations
- I. BARBALAT, Bucuresti: Evaluations of the Solutions of Certain Rayleigh's Equations
- I. BIHARI, Budapest: A Nonlinear Integral Equation (Playing Role in the Theory of Differential Equation)
- V. BOLTJANSKIJ, Moskva: Synthesis of Optimal Regulation in Some Non-linear Systems of the Second Order
- P. BRUNOVSKÝ, Bratislava: On the Optimal Stabilization of Nonlinear Systems
- C. CORDUNEANU, Iasi: Functional — Differential Equation of Volterra Type
- G. ČERNÝ, Košice: Mapping of the Set of Solutions of a Differential Equation
- Č. DAJA, Beograd: On the Stability in the Sense of Lagrange in Dynamical Systems in Metric Space
- L. E. ELSGOEC, Moskva: Some Specific Properties of the Differential Equations with Retarded Argument
- K. KARTÁK, Praha: A Generalization of the Carathéodory Theory of Differential Equations
- I. KIGURADZE, Tbilisi: Boundary Value Problems for the Ordinary Differential Equations of the Second Order with Singularities
- H. W. KNOBLOCH, Berlin: A New Type of Differential Inequalities and Some Applications
- J. KUČERA, Praha: On the Accessibility Problem of the Equation $\dot{x} = (\sum A_{1i}u_i) x$
- M. KWAPISZ, Gdansk: The Periodic Solutions of Some Differential — Functional Equations
- A. LANGENBACH, Berlin: On the Ramification of the Solutions in Nonlinear Differential Equations
- A. LASOTA, Kraków: Applications of Generalized Fredholm Theorem to Differential Equations
- J. MAMRILLA, Bratislava: On Some Properties of the Solutions of a Linear Differential Equation of the 4-th Order
- K. R. MEYER, Providence: The Index in 3 and 4 Dimensions

- J. MORAVČÍK, Žilina: On Certain Classes of Ordinary Linear Differential Equations of the 3-rd and 4-th Order
- L. MORAVSKÝ, Košice: Some Properties of the Solutions of a Linear Differential Equation of the 3-rd Order
- G. R. MORRIS, Armidale: An Irregular Uniqueness Condition for $y' = f(x, y)$
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- J. NAGY, Praha: The Stability of the Solutions of Local Onesided Flows
- F. NEUMAN, Brno: On Bounded Solutions of a Differential Equations
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- Z. PORACKÁ, Praha: On the Extremes of Functionals
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- A. SCHMIDT, Rostock: Perturbation Calculus of Manifold Eigenvalues of Boundary Problems of the Ordinary Differential Equations
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- S. ZIEMBA, Warszawa: Reverse Liapunov Problem in View of Synthesis
- O. ŽAUTYKOV, Alma-Ata: On Some Results of the Theory of Infinite Systems of Differential Equations

2. *Partial Differential Equation*

- V. M. BABIČ, Leningrad: On Eigenfunctions Concentrated in the Neighbourhood of a Closed Geodesic
- V. BARBU, Iasi: On the Propagation of the Regularity of the Solutions of Differential Equations with Constant Coefficients
- L. CATTABRIGA, Ferrara: A Trace Theorem for Functions of a Certain Function Space
- M. COROI—NEDELCU, Bucuresti: The Part of Development in Taylor Series in the Study of the Linear Partial Differential Systems by the Holomorphic Functions (α) in the Space of m Dimensions, Defined by N. THEODORESCU
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- T. GENČEV, Sofia: On Linear Partial Differential Equations with Non-Negative Characteristic Form

- G. GEYMONAT, Pavia: Boundary Value Problems for Elliptic Partial Differential Equations in Sobolev Spaces
- J. HAVLOVÁ, Praha: Periodical Solutions of Weakly Non-Linear Equations of the Hyperbolic Type
- R. M. HERVÉ, Nancy: The Harmonic and Superharmonic Functions Associated with an Equation uniformly Elliptique
- B. HUBBARD, College Park: Order of Convergence of Eigenvalues and Eigenvectors in the Discretized Membrane Problem
- J. KADLEC, Praha: Weak Solutions of Parabolic Differential Equations
- L. KAMYNIN, Moskva: The Maximum Principle and the α -Estimates of the Solutions of the Boundary Value Problems for a Parabolic Equation on a Non-Cylindric Region
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- P. I. LIZORKIN, Moskva: The Singular Integral and Estimates in L_p Norms of the Solutions of Quasilinear Elliptic Equations
- V. LOVICAR, Praha: Almost Periodic Solution of a Weakly Nonlinear Wave Equation
- J. MUSZYNSKI, Warszawa: On the Behaviour of the Solutions of Some Hyperbolic Equation
- J. NEDOMA, Brno: The Initial Problem in the Hyperbolic Equations with a Small Parameter
- P. C. PARKS, Manhattan: Application of Liapunov's Second Method to Aeroclastic Systems Described by Partial Differential Equations
- L. E. PAYNE, Ithaca: Some Results on Non-well Posed Problems for Mixed Equations
- I. M. PETRUŠKO, Moskva: On a Non-Unicity of an Initial Problem for the Parabolic Equations of the 2-nd Order with Rapidly Growing Coefficients
- M. H. PROTTER, Berkeley: Applications of the Maximum Principle to Bounds for Eigenvalues
- J. SZARSKI, Kraków: On an Overdetermined System of First Order Partial Differential Equations
- A. WEINSTEIN, College Park: Upper and Lower Bounds for Eigenvalues
- K. O. WIDMAN, Uppsala: Existence of Boundary Values of Solutions to a Class of Elliptic Partial Differential Equations
- K. ZACHARIAS, Berlin: A Special Coursat Problem in the Plane
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- L. BERAN, Praha: On a Certain Type of Difference — Differential Equation
- J. ČERMÁK, Praha: Nuclear Reactor Criticality Studies in Complex Geometries
- J. HLAVÁČEK, Praha: Deduction of Non-Classical Variation Principles in the Mathematical Theory of Elasticity
- E. HUMBAL—J. ZITKO, Praha: A Contribution to the Method of Superrelaxation of Solutions of Linear Algebraic Systems
- A. HUŤA, Bratislava: On the Runge-Kutta Formulas of the 7-th Order for the Numerical Solution of Ordinary Differential Equation

- F. CHARVÁT, Praha: The Ricatti Equations in Kinematics
- V. JANKOVIČ, Bratislava: The Application of Formulas for the Solution of Ordinary Differential Equations Containing Higher Derivates
- L. M. JUNCOSA, Santa Monica: On the Convergence of the Du Fort Procedure for Parabolic Differential Equations
- J. KAFKA, Praha: Boundary Values for the Self-Adjoint Elliptic Partial Differential Equations (a Finite-Difference Study)
- J. KLAPKA, Brno: The Solution of a Mixed Problem for a Modified Wave Equation and Application on the Determination of the Speed of Movement of very Short Pulses in the Microwaves Technics
- R. KLÖTZLER, Leipzig: Notes on the Evaluation of Errors in Ritz Method
- V. KOHOUT, Praha: Differential Equation in the Geometry of the Complanar Movement
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- J. MIKLOŠKO, Bratislava: Numerical Computation of Fourier's Coefficients
- E. I. NEFEDOV, Moskva: Solution of Some Problems in the Theory of Diffraction of Electromagnetic Waves
- Z. PÍRKO, Praha: Riccati's Equation in α Correspondence in E_2
- E. POPOVICIU, Cluj: Remarks on a Criterion of Comparison of the Ordinary Differential Equations from the Point of View of Their Interpolation Properties
- G. RIEDER, Aachen: On the Pointwise Boundedness in the Theory of Elasticity
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- R. ZEZULA, Praha: Aproximative Solution of Some Boundary Problems from the Reactory Physics

**COMPREHENSIVE LECTURES PRESENTED
IN PLENARY SESSIONS**

